



**CONTRACT NO: VCW380/PWLPLM/24**

**VOLUME 1: TECHNICAL PROPOSAL**

**VAAL CENTRAL WATER**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR  
(04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-  
PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA**

**PROCUREMENT DOCUMENT**

**SEPTEMBER 2026**

**TENDER SUBMITTED BY:**

Registered Name of Company: .....

Address: .....

Telephone Number: .....

Fax Number: .....

E-mail: .....

**Issued by:**

*Vaal Central Water*  
PO Box 30121  
Pellissier  
Bloemfontein  
9322



**ISSUE DATE: FRIDAY, 11 SEPTEMBER 2026**

**BRIEFING SESSION: TUESDAY, 22 SEPTEMBER 2026**

**CLOSING DATE: FRIDAY, 09 OCTOBER 2026**

# VAAL CENTRAL WATER

## CONTRACT NO.

VCW380/PWLPLM/24

### MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

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Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

VAAL CENTRAL WATER

CONTRACT NO.

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MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA

**PART T1:**

**TENDERING PROCEDURES**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

VAAL CENTRAL WATER

CONTRACT NO.

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MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
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POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA

TENDERING PROCEDURES

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Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



## VAAL CENTRAL WATER

CONTRACT NO.

VCW380/PWLPLM/24

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

### SECTION T1.1

#### TENDER NOTICE AND INVITATION TO TENDER

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## Tender Notice and Invitation to Tender

**CONTRACT NUMBER:** VCW380/PWLPLM/24

**PROJECT DESCRIPTION: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA**

### Section T1.1: Tender Notice and Invitation to Tender

Vaal Central Water (Former Bloem Water) derives its primary mandate from the Water Services Act, Act 108 of 1997 and is, in terms of the Public Finance Management Act (PFMA), Act 1 of 1999, Schedule 3B, a National Government business entity, which reports to the Executive Authority, represented by the Minister of Water and Sanitation through the Department of Water and Sanitation (DWS).

Vaal Central Water is a Water Board with the mandate to provide water services to the Southern and Central areas of the Free State Province and the Northern Cape respectively to include the entire jurisdictional area that was previously serviced by Sedibeng Water as gazetted on 26 July 2022 by the minister of Water and Sanitation.

Vaal Central Water accordingly invites interested Service Providers to tender for the following construction contract.

**Contract No: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA**

#### Scope of Works

This contract entails the repair of identified leaks and associated defects on the potable water network within Maluti-a-Phofung Local Municipality.

The Works may include leak confirmation, excavation and repair of leaks, replacement of failed sections of potable water pipelines, reconnection of house connections, repair or replacement of valves, hydrants, air valves, pressure reducing valves, meter and valve chambers, reservoir or chamber appurtenant repairs, testing, flushing, disinfection, temporary supply arrangements, reinstatement and the recording of repair and asset information. Traffic accommodation, service crossings, protection of existing infrastructure and restoration of affected areas also form part of the Works.

#### Where bid documents can be obtained:

National Treasury Website – eTender Publication: [www.etenders.gov.za](http://www.etenders.gov.za)

Vaal Central Water Website: [www.vaalcentralwater.co.za](http://www.vaalcentralwater.co.za)

A **compulsory briefing session** with representatives of the employer will take place on **Tuesday 22 September 2026 at 12:00**

- The location for the briefing session is **Phuthaditjhaba Multipurpose Hall, 7710 Sempe street, Phuthaditjhaba-A, Phuthaditjhaba, 9869**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



The service provider should in all respects comply with the conditions as set out below and as specified in the tender document. It is estimated that tenderers should have a CIDB Contractor Grading designation of **6CE PE or Higher**, per Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations, 2004. **Potentially emerging (PE)** enterprises that meet the criteria stated in the bid document may submit bids.

Only tenderers that satisfy the eligibility criteria stated in the tender document will be eligible to submit tenders.

Vaal Central Water promotes Broad Black Economic Empowerment. The name of the firm submitting the tender shall be clearly shown on all correspondence. The appointment will be made in terms of the approved Supply Chain Management Policy of the Board of Vaal Central Water. Completed proposals must be addressed as below and deposited before 12:00 on **Friday, 9 October 2026** at the Tender Box situated at the Vaal Central Water Reception Area for Attention:

**Supply Chain Management**

Vaal Central Water,  
2 Mzuzu Street,  
Pellissier,  
Bloemfontein,  
9322

Each bidder must submit an envelope clearly marked **Contract No. VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA** with the bidder's name and address. The name of the firm submitting the tender shall be clearly shown on all correspondence. The appointment will be made in terms of the approved Supply Chain Management Policy of the Board of Vaal Central Water. Tenders may only be submitted on the tender documentation that has been issued. **A one-envelope system will be followed.** The Financial Proposal should include a USB or CD DISC with an electronic BOQ inside the envelope.

Each proposal must be submitted in **One Envelope Clearly Marked:**

|            |           |           |          |           |           |
|------------|-----------|-----------|----------|-----------|-----------|
|            |           |           |          |           |           |
| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |

**VCW380/PWLPLM/24– REQUEST FOR PROPOSAL (RFP): MALUTI-A-PHOFUNG LOCAL MUNICIPALITY:  
APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER  
LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA**

Proposals which are incomplete, filled in incorrectly, or telegraphic, telephonic, telex, facsimile, e-mail and late tenders will not be accepted. Should you not receive any feedback from Vaal Central Water after 120 days of submission, consider your tender unsuccessful. Vaal Central Water reserves the right NOT to appoint any Service Provider or to withdraw this request for bids. Service Providers who meet the specified quality criteria will be further evaluated in line with the Preferential Procurement Policy Framework Act (PPPFA) principle of 80/20. Vaal Central Water reserves the right not to award the tender to the highest-scoring bidder.

**Technical Queries can be directed to:**

Mr P Mokhothu  
Operations And Maintenance  
Vaal Central Water  
Tel: 051 403 0800  
Email: peterm@vcwater.co.za

**Tender Administrative Queries can be directed to:**

Supply Chain Management  
Vaal Central Water  
Tel: 051 403 0800  
Email: bids@vcwater.co.za

*NB: Service Providers to all departments, constitutional institutions and public entities listed in schedules 2 and 3 of the PFMA are required to self-register on the Central Supplier Database.*

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

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MUNICIPALITY IN PHUTHADITJABA**

### SECTION T1.2

### TENDER DATA

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Contractor

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Witness 1

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Witness 2

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Employer

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Witness 1

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Witness 2

## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

## MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

### T1.2 TENDER DATA

The conditions of tender are those contained in the latest edition of SANS ISO 10845-3: 2022 Ed2, Construction Procurement – Part 3: Standard conditions of tender. SANS 10845-3:2022 Edition 2 is referenced in the Construction Industry Development Board Act, 2000 (Act No. 38 of 2000).

SANS ISO 10845-3:2022 Ed2 makes several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the provisions of SANS ISO 10845-3: 2022 Ed2.

Each item of data given below is cross-referenced to the clause in SANS ISO 10845-3: 2022 Ed2 to which it mainly applies.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| CLAUSE       | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
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| <b>3</b>     | <b>TERMS AND DEFINITIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| 3.1          | Wherever reference is made in the documentation to Bill of Quantities it shall also mean Pricing Schedule or Schedule of Quantities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| 3.18         | Whenever reference is made in the documentation to Bidder or Tenderer, it shall mean the person or organization that submits a tender offer. The successful Bidder will be appointed as the Contractor under the GCC 2025 - Clause 1.1.1.9.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| <b>4</b>     | <b>GENERAL REQUIREMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| 4.1          | The Employer is <b>Vaal Central Water</b> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| 4.2          | <p>Add the following to the clause:<br/> The tender documents issued by the employer comprise of two volumes and consist of the following:</p> <p><b>TENDER DOCUMENT</b></p> <p><b>VOLUME 1: TECHNICAL PROPOSAL</b></p> <table> <tr> <td>Part T1</td><td>Tendering Procedures</td></tr> <tr> <td>Section T1.1</td><td>Tender Notice and Invitation to Tender</td></tr> <tr> <td>Section T1.2</td><td>Tender Data</td></tr> <tr> <td>Section T1.3</td><td>Standard Conditions of Tender</td></tr> <tr> <td>Part T2</td><td>Returnable Documents and Schedules</td></tr> <tr> <td>Section T2.1</td><td>Returnable Schedules Required for Bid Evaluation Purposes</td></tr> <tr> <td>Section T2.2</td><td>Other Documents Required for Bid Evaluation Purposes</td></tr> <tr> <td>Section T2.3</td><td>Checklist</td></tr> <tr> <td>Part C3</td><td>Scope of Work</td></tr> <tr> <td>Section C3.1</td><td>Description of the Works</td></tr> <tr> <td>Section C3.2</td><td>Standard Specifications</td></tr> <tr> <td>Section C3.3</td><td>Project Specifications</td></tr> <tr> <td>Section C3.4</td><td>Particular Specifications</td></tr> <tr> <td>Section C3.5</td><td>OHS Specification and Baseline Risk Assessment</td></tr> <tr> <td>Part C4</td><td>Site Information</td></tr> <tr> <td>Annexure A</td><td>Tender Drawings</td></tr> <tr> <td>Annexure B</td><td>Occupational Health &amp; Safety Specification and Baseline Risk Assessment</td></tr> </table> <p><b>VOLUME 2: FINANCIAL PROPOSAL</b></p> <table> <tr> <td>Part C1</td><td>Agreements and Contract Data</td></tr> <tr> <td>Section C1.1</td><td>Forms of Offer and Acceptance</td></tr> <tr> <td>Section C1.2</td><td>Contract Data</td></tr> <tr> <td>Section C1.3</td><td>Form of Guarantee</td></tr> <tr> <td>Part C2</td><td>Pricing Data</td></tr> <tr> <td>Section C2.1</td><td>Pricing Instructions</td></tr> <tr> <td>Section C2.2</td><td>Schedule of Quantities</td></tr> <tr> <td>Section C2.3</td><td>Summary of Schedules</td></tr> <tr> <td>Section C2.4</td><td>Banking Details</td></tr> </table> | Part T1 | Tendering Procedures | Section T1.1 | Tender Notice and Invitation to Tender | Section T1.2 | Tender Data | Section T1.3 | Standard Conditions of Tender | Part T2 | Returnable Documents and Schedules | Section T2.1 | Returnable Schedules Required for Bid Evaluation Purposes | Section T2.2 | Other Documents Required for Bid Evaluation Purposes | Section T2.3 | Checklist | Part C3 | Scope of Work | Section C3.1 | Description of the Works | Section C3.2 | Standard Specifications | Section C3.3 | Project Specifications | Section C3.4 | Particular Specifications | Section C3.5 | OHS Specification and Baseline Risk Assessment | Part C4 | Site Information | Annexure A | Tender Drawings | Annexure B | Occupational Health & Safety Specification and Baseline Risk Assessment | Part C1 | Agreements and Contract Data | Section C1.1 | Forms of Offer and Acceptance | Section C1.2 | Contract Data | Section C1.3 | Form of Guarantee | Part C2 | Pricing Data | Section C2.1 | Pricing Instructions | Section C2.2 | Schedule of Quantities | Section C2.3 | Summary of Schedules | Section C2.4 | Banking Details |
| Part T1      | Tendering Procedures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section T1.1 | Tender Notice and Invitation to Tender                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section T1.2 | Tender Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section T1.3 | Standard Conditions of Tender                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Part T2      | Returnable Documents and Schedules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section T2.1 | Returnable Schedules Required for Bid Evaluation Purposes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section T2.2 | Other Documents Required for Bid Evaluation Purposes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section T2.3 | Checklist                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Part C3      | Scope of Work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C3.1 | Description of the Works                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C3.2 | Standard Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C3.3 | Project Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C3.4 | Particular Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C3.5 | OHS Specification and Baseline Risk Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Part C4      | Site Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Annexure A   | Tender Drawings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Annexure B   | Occupational Health & Safety Specification and Baseline Risk Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Part C1      | Agreements and Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C1.1 | Forms of Offer and Acceptance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C1.2 | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C1.3 | Form of Guarantee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Part C2      | Pricing Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C2.1 | Pricing Instructions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C2.2 | Schedule of Quantities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C2.3 | Summary of Schedules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |
| Section C2.4 | Banking Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                      |              |                                        |              |             |              |                               |         |                                    |              |                                                           |              |                                                      |              |           |         |               |              |                          |              |                         |              |                        |              |                           |              |                                                |         |                  |            |                 |            |                                                                         |         |                              |              |                               |              |               |              |                   |         |              |              |                      |              |                        |              |                      |              |                 |

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| 4.2<br>(continued) | <p>Add the following to the clause:</p> <p><b>Requests for contract documents, or parts thereof, in electronic format</b></p> <p>The Employer shall not formally issue tender documents in electronic format as contemplated in C2.13.3 and shall only issue tender documents in hardcopy. An electronic version of the issued tender documents may be made available to the Bidder, upon written request in terms of this clause, subject to the following:</p> <ul style="list-style-type: none"> <li>a) The electronic version shall not be regarded as a substitute for the issued tender documents.</li> <li>b) The Employer shall not accept tenders submitted in electronic format. Bidders may not complete and submit a printed copy of the electronic version of the tender document or part thereof. Only those tenders that have been completed on the issued hard copy tender document shall be considered.</li> <li>c) The Employer accepts no responsibility or liability arising from any reliance on or use of the electronic version provided in terms of this clause. The Employer further does not guarantee that the electronic version corresponds with the issued tender documents in all respects. Bidders are alerted to the fact that electronic versions of the tender documents may not reflect any notices or addenda that amend the tender document.</li> <li>d) Any non-compliance with these provisions, including effecting any unauthorised alterations to the tender document as contemplated in C2.11, shall render the tender invalid. The Employer reserves the right to take any action against such Bidder allowed in law including, in circumstances where the tender had already been awarded, the right to cancel the contract.</li> <li>e) In requesting the electronic version of the tender document or parts thereof, the Bidder is deemed to have read, understood and accepted all of the above conditions.</li> </ul> |
| 4.4                | <p>The Employer's agent (or any other Employer's agent as approved from time to time by the Employer, the contractor will be notified in writing as applicable in the individual contract:</p> <p><b>Tlowana Consulting &amp; Engineering (Pty) Ltd</b><br/> Corner Witkoppen &amp; Umhlanga,<br/> Kildrummey Office Park<br/> Longmoume West<br/> Building 10 2<sup>nd</sup> Floor<br/> Paulshof<br/> 2191</p> <p>Tel: 011 234 2853<br/> Email: massegai@tlowanaengineering.co.za</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4.4                | The language for communications is English.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| 4.5                     | <p>Add the following to the clause:</p> <p><b>Combating Abuse of the Supply Chain Management Policy:</b></p> <p>In terms of its Supply Chain Management Policy, the Employer may reject the tender of any Bidder if that Bidder or any of its directors has:</p> <ul style="list-style-type: none"> <li>a) failed to pay municipal rates and taxes or municipal service charges and such rates, taxes and charges are in arrears for more than three months;</li> <li>b) failed, during the last five years, to perform satisfactorily on a previous contract with the Employer or any other organ of state after written notice was given to that Bidder that performance was unsatisfactory;</li> <li>c) abused the supply chain management system of the Employer or has committed any improper conduct in relation to this system;</li> <li>d) been convicted of fraud or corruption during the past five years;</li> <li>e) wilfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or</li> <li>f) been listed with the Register of Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004) or has been listed on National Treasury's database as a person or juristic entity prohibited from doing business with the public sector.</li> </ul> |                        |                                 |                         |  |                        |                                 |   |                                                       |               |   |            |              |            |              |   |                                                                           |               |   |
| 4.6.1                   | <p>Replace the contents of the clause with the following:</p> <p>The Employer reserves the right, within unambiguous and justifiable reasoning, to not necessarily conclude a contract with the tenderer who in terms of 6.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders. The Employer reserves the right to accept, where applicable, a part or portion of any bid or where possible accepts bids or proposals from multiple bidders.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                                 |                         |  |                        |                                 |   |                                                       |               |   |            |              |            |              |   |                                                                           |               |   |
| <b>5</b>                | <b>TENDERER'S OBLIGATIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |                                 |                         |  |                        |                                 |   |                                                       |               |   |            |              |            |              |   |                                                                           |               |   |
| 5.1                     | <p>Only those Bidders who satisfy the following eligibility criteria and who provide the required evidence in their tender submissions are eligible to submit tenders and have their tenders evaluated:</p> <p>A: Bidders who do not adhere to those criteria listed below a PRE-QUALIFIER, will be disqualified immediately</p> <table border="1"> <thead> <tr> <th colspan="2">Responsiveness Criteria</th><th>Prequalifying Criteria</th><th>Applicable to this Tender (Y/N)</th></tr> </thead> <tbody> <tr> <td rowspan="5">1</td><td>Fully completed and signed Standard Bidding Documents</td><td rowspan="5">Pre-Qualifier</td><td rowspan="5">Y</td></tr> <tr> <td>SBD Form 1</td></tr> <tr> <td>SBD Form 3.1</td></tr> <tr> <td>SBD Form 4</td></tr> <tr> <td>SBD Form 6.1</td></tr> <tr> <td>2</td><td>Attendance of the Compulsory Clarification Session attended by the Bidder</td><td>Pre-Qualifier</td><td>Y</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                                 | Responsiveness Criteria |  | Prequalifying Criteria | Applicable to this Tender (Y/N) | 1 | Fully completed and signed Standard Bidding Documents | Pre-Qualifier | Y | SBD Form 1 | SBD Form 3.1 | SBD Form 4 | SBD Form 6.1 | 2 | Attendance of the Compulsory Clarification Session attended by the Bidder | Pre-Qualifier | Y |
| Responsiveness Criteria |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Prequalifying Criteria | Applicable to this Tender (Y/N) |                         |  |                        |                                 |   |                                                       |               |   |            |              |            |              |   |                                                                           |               |   |
| 1                       | Fully completed and signed Standard Bidding Documents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Pre-Qualifier          | Y                               |                         |  |                        |                                 |   |                                                       |               |   |            |              |            |              |   |                                                                           |               |   |
|                         | SBD Form 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                                 |                         |  |                        |                                 |   |                                                       |               |   |            |              |            |              |   |                                                                           |               |   |
|                         | SBD Form 3.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                                 |                         |  |                        |                                 |   |                                                       |               |   |            |              |            |              |   |                                                                           |               |   |
|                         | SBD Form 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                                 |                         |  |                        |                                 |   |                                                       |               |   |            |              |            |              |   |                                                                           |               |   |
|                         | SBD Form 6.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                                 |                         |  |                        |                                 |   |                                                       |               |   |            |              |            |              |   |                                                                           |               |   |
| 2                       | Attendance of the Compulsory Clarification Session attended by the Bidder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Pre-Qualifier          | Y                               |                         |  |                        |                                 |   |                                                       |               |   |            |              |            |              |   |                                                                           |               |   |

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|        | Responsiveness Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Prequalifying Criteria | Applicable to this Tender (Y/N) |
| 3      | <p>CIDB registration and Grading</p> <p>The following tenderers who are registered with the CIDB, or are capable of being so registered prior to the evaluation of submissions, are eligible to have their tenders evaluated:</p> <ol style="list-style-type: none"> <li>Contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) of 25 (7A) of the Construction Industry Development Regulations, for a level <b>6 CE PE OR HIGHER</b> are eligible to submit Tenders for this contract.</li> <li>Contractors registered as potentially emerging enterprises with the CIDB who are registered in one contractor grading designation lower than that required in terms of (a) above and who satisfy the following criteria: <ul style="list-style-type: none"> <li>the Employer is satisfied that such a contractor has the potential to develop and qualify to be registered in that higher grade as determined in accordance with the provisions of the CIDB Specification for Social and Economic Deliverables in Construction Works Contracts; and</li> <li>the Employer agrees to provide the financial, management or other support that is considered appropriate to enable the contractor to successfully execute that contract.</li> </ul> </li> <li>Joint ventures are eligible to submit Tenders provided that: <ul style="list-style-type: none"> <li>every member of the joint venture is registered with the CIDB within 10 days from the closing date of tenders;</li> <li>the lead partner has a contractor grading designation in the <b>6 CE PE OR HIGHER</b> class of construction work; and</li> <li>The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a <b>6 CE PE OR HIGHER</b> class of construction work</li> </ul> </li> </ol> <p>The Employer may, in its discretion, subject to the provision of Section 4(1)(d) of the State Tender Board Act (Act 86 of 1968), condone any failure to comply with the foregoing condition.</p> | Pre-Qualifier          | Y                               |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE                                                                                                                                                                                             | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        |                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------|
|                                                                                                                                                                                                    | Responsiveness Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Prequalifying Criteria | Applicable to this Tender (Y/N) |
| 4                                                                                                                                                                                                  | Registration with the Compensation Commissioner/Insurer (Written proof of registration-Letter of good standing).                                                                                                                                                                                                                                                                                                                                                                                          | Pre-Qualifier          | Y                               |
| 5                                                                                                                                                                                                  | <p>The Bidder should be able to submit the following:</p> <ul style="list-style-type: none"> <li>• Certified copy of certificate of Incorporation if Bidder is a company or;</li> <li>• Certified copy of founding statement if Bidder is a closed corporation or;</li> <li>• Certified copy of Partnership agreement if Bidder is a partnership or;</li> <li>• Certified copy of Identity document if Bidder is a one-man concern.</li> </ul>                                                            | Pre-Qualifier          | Y                               |
| B.: Bidders who do not adhere to the indicated response time for clarifications requested by the Employer will be deemed to be non-responsive and their submissions will not be evaluated further. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                        |                                 |
|                                                                                                                                                                                                    | Responsiveness Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Clarification Time     | Applicable to this Tender (Y/N) |
| 1                                                                                                                                                                                                  | The Respondent submits a valid Tax Compliance Status PIN letter issued by the South African Revenue Services or has made arrangements to meet outstanding tax obligations. Respondents shall be registered and in good standing with the South African Revenue Services (SARS) and should be able to submit a valid tax compliance pin issued by SARS. Each party to a Consortium/Joint Venture should be able to submit a separate valid Tax Compliance Status PIN letter and attach it to the schedule. | 7 days                 | Y                               |
| 2                                                                                                                                                                                                  | Respondents that provide a copy of latest Unemployment Insurance Fund (UIF) return (if not stated on the valid tax compliance pin)                                                                                                                                                                                                                                                                                                                                                                        | 7 days                 | Y                               |
| 3                                                                                                                                                                                                  | The Respondent has not abused the Employer's Supply Chain Management System or failed to perform on any previous contract and has been given written notice to this effect.                                                                                                                                                                                                                                                                                                                               | 7 days                 | Y                               |
| 4                                                                                                                                                                                                  | The Respondent or any of its Directors/Shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector.                                                                                                                                                                                                                                                      | 7 days                 | Y                               |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | TENDER DATA                                                                                                                                                                                                                                                                                                                                                     |                    |                                 |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------|
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Responsiveness Criteria                                                                                                                                                                                                                                                                                                                                         | Clarification Time | Applicable to this Tender (Y/N) |
|        | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | The Employer will only enter into a formal contract with a respondent who is registered on the National Treasury Central Supplier Database (CSD). The submission of a full CSD report (not summary) is compulsory for any Respondent to be eligible to submit.                                                                                                  | 7 days             | Y                               |
|        | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | The Respondent has completed the Declaration of Interest and there are no conflicts of interest which may impact on the Respondent's ability to perform the contract in the best interests of the Employer or potentially compromise the submission process and persons in the employ of the state are permitted to submit bids or participate in the contract. | 7 days             | Y                               |
|        | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | The Respondent submits a valid B-BBEE Compliance Certificate issued by an Accredited Service Provider or Certified Sworn Affidavit.                                                                                                                                                                                                                             | 7 days             | Y                               |
|        | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | The Respondent submits and original (or certified copy) of Municipal rates clearance certificate or a certified copy of the lease agreement - Not older than 3 months (Vaal Central Water reserves the right to conduct physical verification of premises).                                                                                                     | 7 days             | Y                               |
|        | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Annexure 1: Acceptance of Bid conditions – to be duly completed and signed                                                                                                                                                                                                                                                                                      | 7 days             | Y                               |
|        | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Annexure 2: Supply Chain Management Questionnaire – to be duly                                                                                                                                                                                                                                                                                                  | 7 days             | Y                               |
| 5.1.1  | <p>Joint ventures are permitted for this procurement provided that</p> <ul style="list-style-type: none"> <li>a) every member of the joint venture is registered with the CIDB within 10 days from the closing date of tenders;</li> <li>b) the lead partner has a contractor grading designation in the <b>6 CE PE OR HIGHER</b> class of construction work; and</li> <li>c) The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a <b>6 CE PE OR HIGHER</b> class of construction work</li> </ul> <p>The Employer may, in its discretion, subject to the provision of Section 4(1)(d) of the State Tender Board Act (Act 86 of 1968), condone any failure to comply with the foregoing condition</p> |                                                                                                                                                                                                                                                                                                                                                                 |                    |                                 |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| 5.2    | <p>ADD THE FOLLOWING:</p> <p><i>"Accept that the Employer will not compensate the bidder for any costs incurred in attending interviews in the office of the Employer or the Employer's Agent (if required)."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5.6    | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"Failure to acknowledge receipt of any addenda shall result in disqualification.</i></p> <p><i>It is the responsibility of the Tenderer to provide accurate and clear information on the attendance register or Purchase of Tender document register. The Employer's agent will not follow up on incorrect or unclear information provided."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.7    | <p>The arrangements for a compulsory site clarification meeting are as stated in the Tender Notice and Invitation to Tender. (Site clarification meeting is also referred to as site briefing session.)</p> <p>A compulsory clarification meeting and site visit will be held as follows:</p> <p>Location: Phuthaditjhaba Multipurpose Hall, 7710 Sempe street, Phuthaditjhaba-A, Phuthaditjhaba, 9869</p> <p>Date: Tuesday, 8 September 2026</p> <p>Starting time: 12:00</p> <p>Confirmation of attendance will be recorded on site in the Site Inspection Certificate included in Section T2.1 of the Document.</p> <p>Tender documents will not be made available at the site visit or clarification meeting. Details relating to the collection of tender documents are indicated in the Tender Notice and Invitation to Tender (Section T1.1 of the document).</p> <p>Failure to fill out the attendance register and/or the "Site Inspection Certificate" shall result in a disqualification.</p> <p>A full-time employee of the respondent who is involved in the preparation of submissions shall sign the attendance list in the name of the respondent. An addendum will be issued, and respondents will be evaluated only from those who appear on the attendance list.</p> |
| 5.8    | <p>REPLACE THE CONTENTS OF THE CLAUSE WITH THE FOLLOWING:</p> <p><i>"Request clarification of the bid documents, if necessary, by notifying the Employer's Agent, as indicated in the Bid Notice and Invitation to Bid, at least seven (7) working days before the closing time stated in the Bid Data."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 5.9    | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"The Contractor shall be responsible for effecting all insurance as required for the purposes of executing the Contract."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE              | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| 5.10                | <p>Tenderers are required to state the rates and currencies in South African Rand (ZAR).</p> <p>The Bidder must contribute significantly to Local Economic Participation (LEP), which will include subcontracting a value of the contract to an EME or QSEs that are at least 51% black-owned. The total percentage of the contract value that is subcontracted will be determined during the construction stage, but the target for LEP will be a minimum of 30% (thirty percent).</p> <p>The following evidence will be required during the construction phase:</p> <p style="padding-left: 40px;">A signed subcontracting agreement stipulating the percentage to be subcontracted.</p> <p style="padding-left: 40px;">CSD report/s for subcontractor/s.</p> <p style="padding-left: 40px;">CIDB Registration for subcontractor/s where CIDB related works are subcontracted, each subcontractor must also be registered with the appropriate CIDB grading in accordance with the value of work to be undertaken by that subcontractor or are capable of being so prior to the evaluation of submission, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the CIDB grading of this bid, in accordance with CIDB prescripts. Where the CIDB requirement for sub-contracted work is not met, this test for responsiveness has not been met.</p> <p style="padding-left: 40px;">Proof of B-BBEE status for subcontractor/s.</p> <p style="padding-left: 40px;">Proof of Subcontractor's TCC pin.</p> |
| 5.10<br>(Continued) | <p><b>ADD THE FOLLOWING TO THE CLAUSE:</b></p> <p><i>"The Employer (VCW) reserves the right to negotiate fixed rates with the contractor for any additional, varied, or provisional scope of work arising under this Contract. Any such negotiated fixed rates shall be valid and binding only upon written agreement by both Parties and incorporation into the Contract as an agreed variation or instruction. Furthermore, once the adjudication process is complete, the Employer intends to negotiate uniform fixed rates with the recommended tenderers prior to appointment."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5.11                | <p><b>REPLACE THE LAST SENTENCE OF THE CLAUSE WITH THE FOLLOWING:</b></p> <p><i>"To correct errors made, draw a line through the incorrect entry and write the correct entry above in black ink and place the full signatures of the authorized signatories next to the correct entry. Corrections in terms of price shall not be made by means of a correction fluid such as Tippex or a similar product.</i></p> <p><i>If correction fluid has been used on any specific item price, such an item will not be considered. No correction fluid may be used in a Bill of Quantities where prices are calculated to arrive at a total amount. If correction fluid has been used the bid as a whole will not be considered.</i></p> <p><i>Tampering with or taking the documents apart is strictly prohibited."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| 5.12   | <p>ADD THE FOLLOWING:</p> <p><i>"All alternative tender offers shall be referred to in Section T2.2.1 – Alterations to Tender.</i></p> <p><i>Should the Tenderer wish to offer alternative designs and/or construction materials, he shall include with these Tenders full details thereof, including a complete bill of quantities, formal design calculations, and full details of all alternative components proposed to be included in the Works. Failure to properly comply with this clause, thereby preventing the Employer and/or the Employer's agent from properly assessing the full implications of the alternative tender, is likely to disqualify the alternative offered from further consideration.</i></p> <p><i>No submission by the Contractor after award for additional payment or time for completion of Works relating to the alternative offer will be considered; the tendered rates submitted shall be considered to reflect the full and final cost implications of the alternative offer."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 5.13.1 | <p>ADD THE FOLLOWING:</p> <p><i>"Parts of each tender offer communicated on paper shall be submitted as an original, plus one (1) copy.</i></p> <p><i>It is recommended that all pages be numbered.</i></p> <p><i>The tenderer is requested also to provide a PDF (soft) copy of the complete tender submission in electronic format on a flash disk and to include this in their tender submission.</i></p> <p><i>No claim will be entertained for tender price faults resulting from discrepancies, omissions or indistinct figures.</i></p> <p><i>All volumes are to be left intact in their original formats and no pages shall be removed or re-arranged."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5.13.2 | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p>Only authorised signatories may sign the original and all copies of the bid offer where required in terms of 5.13.1</p> <p>State clearly in FORM 2.1.5 under T2.2 returnable documents and schedules, the authorised signatories that are liable on the behalf of the Tenderer, with proof from the employer and or company.</p> <p><b><u>Accept that failure to submit proof of authorisation to sign the bid shall result in a Bid Offer being regarded as non-responsive.</u></b></p> <p>In the case of a ONE-PERSON CONCERN submitting a bid, this shall be clearly stated.</p> <p>In case of a COMPANY submitting a bid, include a certified copy of the Certificate of Incorporation of such company, together with a resolution by its board of directors authorising a director or other official of the company to sign the documents on behalf of the company.</p> <p>In the case of a CLOSED CORPORATION submitting a bid, include a certified copy of the Founding Statement of such corporation, together with a resolution by all its members authorizing a member or other official of the corporation to sign the documents on each member's behalf.</p> <p>In the case of a PARTNERSHIP submitting a bid, all the partners shall sign the documents, unless one partner or a group of partners has been authorised to sign on behalf of each partner, in which case proof of such authorisation/resolution by partners shall be included in the Bid.</p> <p><u>JOINT VENTURES</u> are not permitted, as tenderers are already on a panel.</p> |
| 5.13.4 | <p>The Bidder is required to submit with their tender the following certificates:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| CLAUSE                 | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | <ul style="list-style-type: none"> <li>• Certified copy of the certificate of Incorporation if the tenderer is a company or;</li> <li>• Certified copy of founding statement if the tenderer is a closed corporation or;</li> <li>• Certified copy of Partnership agreement if the tenderer is a partnership or;</li> <li>• Certified copy of the Joint Venture Agreement or,</li> <li>• Certified copy of Identity document if the tenderer is a one-man concern or;</li> <li>• Certified Copy Latest Municipal Rates and Taxes Clearance Certificate</li> <li>• Certified Copy of Letter of Good Standing with Compensation Commissioner or With a Licensed Compensation Insurer</li> <li>• Certified Certificate of Tenderer's B-BBEE Status Level</li> <li>• Certified Copy of Letter of Intent to Provide a Performance Guarantee</li> <li>• Printed Tax Compliance Status Certificate inclusive of the Tax Compliance Status PIN</li> <li>• Certified Copy of CIDB Registration Certificate</li> <li>• Curriculum Vitae of all key staff</li> </ul> |
| <p>5.13.5<br/>5.15</p> | <p>A one-envelope procedure is required.</p> <p>Refer to the Tender Notice and Invitation to Tender (Section T1.1) for the Employer's address for delivery of tender offers and identification details to be shown on each tender offer package are:</p> <p><b>Location of the tender box:</b> Vaal Central Water<br/>2 Mzuzu Street<br/>Pellissier<br/>Bloemfontein<br/>9322</p> <p><b>Identification details:</b> Tender number: VCW380/PWLPLM/24<br/>Title of tender: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY:<br/>APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR<br/>THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG<br/>LOCAL MUNICIPALITY IN PHUTHADITJABA</p> <p>Sealed tenders with the Tenderer's name and address and the endorsement "TENDER NO. VCW380/PWLPLM/24" on the envelope, must be placed in the appropriate official tender box at the abovementioned address.</p>                                                                                                                                                            |
| <p>5.13.5</p>          | <p>The "ORIGINAL" are to be submitted. The PDF soft copy on a USB Flash drive is to be submitted together with the "ORIGINAL" including the priced bill of quantities in Microsoft Office Excel format</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p>5.13.6</p>          | <p>Telephonic, telegraphic, telex, facsimile or e-mailed tender offers shall NOT be accepted.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <p>5.13.7</p>          | <p>ADD THE FOLLOWING THE CLAUSE:</p> <p><i>"Accept that all conditions, which are printed or written upon any stationary used by the Bidder for the purpose of or in connection with the submission of a bid offer for this Contract, which are in conflict with the conditions laid down in this document shall be waived, renounced and abandoned."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <p>5.14</p>            | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p>The Bidder is required to enter information in the following sections of the document:</p> <p><b>VOLUME 1</b></p> <p>Section T2.2: Returnable Schedules</p> <p><b>VOLUME 2</b></p> <p>Section C1.1: Form of Offer and Acceptance</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| CLAUSE | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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|        | <p>Section C1.2: Contract Data (Part 2)<br/> Section C1.3: Form of Guarantee<br/> Section C1.4: Health and Safety Agreement Form<br/> Section C2.2: Bill of Quantities<br/> Section C2.3: Summary of Schedules<br/> Section C2.4: Banking Details</p> <p>The above sections shall be signed by the Bidder (and witnesses where required). Individual pages should only be initialled by the successful Bidder and by the witnesses after acceptance by the Employer of the Bid Offer.</p> <p>The Bidder shall complete and sign the Form of Offer prior to the submission of a Bid Offer.</p> <p>The Schedule of Deviations (if applicable) shall be signed by the successful Tenderer after acceptance by the Employer of the Tender Offer.</p> <p>Accept that failure on the part of the Bidder to submit any of the Returnable Documents listed in section T2 within the period stipulated, may be just cause for the Employer to consider the Bid offer as being regarded as non-responsive.</p> <p><b>Accept that the Employer shall in the evaluation of bid offers take due account of the Bidder's past performance in the execution of similar Employer's Agenting works of comparable magnitude, and the degree to which he possesses the necessary technical, financial and other resources to enable him to complete the Works successfully within the contract period. Satisfy the Employer and the Employer's Agent as to his ability to perform and complete the Works timeously, safely and with satisfactory quality, and furnish details in section T2.2.2 of contracts of a similar nature and magnitude which they have successfully executed in the past.</b></p> <p>Accept that the Employer is restricted in accordance with clause 5(1) of the Construction Regulations, 2014, to only appoint a contractor whom he is satisfied has the necessary competencies and resources to carry out the work safely.</p> <p>Accept that submitting inferior and inadequate information relating to health and safety shall be regarded as justifiable and compelling reasons not to accept the Bid Offer of the Bidder scoring the highest number of bid evaluation points.</p> |
| 5.15   | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5.16   | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"The tender offer validity period is <b>120 days</b>.</i></p> <p><i>If the bid validity expires on a Saturday, Sunday or public holiday, the bid shall remain valid and open for acceptance until the closure of business on the following working day."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE               | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.16.2               | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"It is understood that should the Bidder unilaterally withdraw their bid during the bid validity period, the Employer shall, without prejudice to any other rights available, be entitled to either accept a less favourable bid for the Works from those received, call for new bids, or otherwise make arrangements for the execution of the Works.</i></p> <p><i>In such cases, the Bidder shall, upon demand, reimburse the Employer for any additional costs incurred due to the adoption of these alternative measures. This includes the difference in cost between the withdrawn bid (as adjusted in accordance with Clause 6.9 of the Conditions of Bid) and the accepted less favourable bid, or the difference between the withdrawn bid (as corrected) and the cost of completing the Works by the Employer, as well as any other expenses the Employer may incur in completing the Works."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.18                 | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"Accept that if requested, the Bidder shall provide, on request by the employer, any other material that has bearing on the tender offer within 7 days of request. The Employer may, in its discretion, and subject to the provisions of Section 4(1)(d) of the State Tender Board Act 86 of 1968, condone any failure to comply with the foregoing condition."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5.20                 | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"The Tenderer shall submit with its tender a letter of intent from an approved insurer or financial institution, in a form acceptable to the Employer, confirming that it is willing and able to issue the performance guarantee required under Clause 6.2 of the Contract Data and in the format included in Section C1.3: Form of Guarantee.</i></p> <p><i>The letter of intent shall confirm that, upon award, the guarantor will issue an initial performance guarantee for a Guaranteed Sum equal to ten per cent (10%) of the Minimum Security Base Amount stated in the Contract Data and that the guarantor is further willing and able, when required in terms of the Contract, to amend, replace, renew or increase the guarantee to reflect the applicable Security Base Amount.</i></p> <p><i>Accept that if requested, the Tenderer shall within 7 days of the date upon which he is requested to do so, submit a full report from his banker as to his financial standing. The Employer may, in its discretion, condone any failure to comply with the foregoing condition.</i></p> <p><i>Accept that the Employer or its agent reserves the right to approach the Tenderer's banker or guarantor as indicated in the tender document with a view to ascertaining whether the required guarantee will be furnished, and for purposes of ascertaining the financial strength of the Tenderer."</i></p> |
| 5.22                 | Return all retained bid documents prior to the closing time for the submission of Bid Offers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.23<br>(New clause) | <p>ADD NEW CLAUSE:</p> <p><i>"Accept that no Bidder shall make any attempt either directly or indirectly to canvass any of the Employer officials or the Employer's Agent in respect of his bid, after the opening of the bids but prior to the Employer arriving at a decision thereon.</i></p> <p><i>No Bidder shall make any attempt to obtain particulars of any relevant information, other than that disclosed at the opening of tenders."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE               | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.24<br>(New clause) | <p><b>ADD NEW CLAUSE:</b></p> <p>Accept that the Employer is prohibited from awarding a bid to a person:</p> <ol style="list-style-type: none"> <li>Who is in the service of the State; or</li> <li>If that person is not a natural person, of which any director, manager, principal shareholder or stakeholder is a person in the service of the State; or</li> <li>A person who is an advisor or consultant contracted with the Employer or municipal entity.</li> </ol> <p><b>“In the service of the State” means to be –</b></p> <ol style="list-style-type: none"> <li>A member of – <ul style="list-style-type: none"> <li>any Municipal Council;</li> <li>any provincial legislature; or the National Assembly or the National Council of Provinces;</li> </ul> </li> <li>A member of the board of directors of any municipal entity;</li> <li>An official of any municipality or municipal entity;</li> <li>An employee of any national or provincial department;</li> <li>Provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);</li> <li>A member of the accounting authority of any national or provincial public entity; or an employee of Parliament or a provincial legislature.</li> </ol> |
| 5.25<br>(New clause) | <p><b>ADD NEW CLAUSE:</b></p> <p>Accept that the notes to the Employer's annual financial statements must disclose particulars of any award of more than R 2 000 to a person who is a spouse, child or parent of a person in the service of the state (defined in clause 5.24), or has been in the service of the state in the previous twelve months, including –</p> <ol style="list-style-type: none"> <li>The name of that person;</li> <li>The capacity in which that person is in the service of the state; and</li> <li>The amount of the award.</li> </ol> <p>In order to give effect to the above, the questionnaire for the declaration of interests in the bid of persons in service of the state in Section T2.2 must be completed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>6</b>             | <b>THE EMPLOYER'S UNDERTAKINGS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 6.1                  | <p><b>REPLACE THE CONTENTS OF THE CLAUSE WITH THE FOLLOWING:</b></p> <p><i>“The Employer will respond to requests for clarification received up to seven (7) working days before the tender closing time and notify all Bidders who collected procurement documents within two (2) working days of the same date.”</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 6.2                  | The employer shall issue addenda until four (4) working days before tender closing time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 6.4                  | Bids will be opened immediately after the closing time for bids, at the same venue. The name of each tenderer and their bid price will be read out and recorded.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 6.8                  | <p><b>Test for responsiveness:</b></p> <p>Bids will be evaluated in accordance with the new Preferential Procurement Regulations, 2022, using 80/20 preference points system as prescribed in the Preferential Procurement Policy Framework Act (PPPFA, Act 5 of 2000). The lowest acceptable bid will score 80 points for price and a maximum of 20 points will be awarded for the specific goals. The maximum of tender evaluation points awarded for Functionality (Quality) is 170 points.</p> <p>Vaal Central reserves the right not to appoint the lowest bid.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| 6.10   | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><b>Claims arising after submission of tender</b></p> <p>No claim for any extras arising out of any doubt or obscurity as to the true intent and meaning of anything shown on the Contract Drawings or contained in the Conditions of Contract, Scope of Work and Pricing Data, will be admitted by the Employer after the submission of any tender and the Tenderer shall be deemed to have:</p> <ol style="list-style-type: none"> <li>Inspected the Contract Drawings and read and fully understood the Conditions of Contract.</li> <li>Read and fully understood the whole text of the Scope of Work and Pricing Data and thoroughly acquainted himself with the nature of the works proposed and generally of all matters which may influence the Contract.</li> <li>Visited the site of the proposed works, carefully examined existing conditions, the means of access to the site, the conditions under which the work is to be done, and acquainted himself with any limitations or restrictions that may be imposed by the Municipal or other Authorities in regard to access and transport of materials, plant and equipment to and from the site and made the necessary provisions for any additional costs involved thereby.</li> <li>Requested the Employer or his duly authorised agent to make clear the actual requirements of anything shown on the Contract Drawings or anything contained in the Scope of Work and Pricing Data, the exact meaning or interpretation of which is not clearly intelligible to the Tenderer.</li> <li>Received any Addenda to the tender documents which have been issued in accordance with the Employer's Supply Chain Management Policy.</li> </ol> <p>Before submission of any tender, the Tenderer should check the number of pages, and if any are found to be missing or duplicated, or the figures or writing indistinct, or if the Pricing Data contain any obvious errors, the Tenderer must apply to the Employer's agent at once to have the same rectified, as no liability will be admitted by the Employer in respect of errors in any tender due to the foregoing.</p> |
| 6.11.1 | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p>The procedure for the evaluation of responsive tenders is <b>Method 4: Financial offer, quality and preference.</b></p> <p><b>Price Analysis</b></p> <p>Vaal Central Water uses a Financial Tolerance Range (also referred to as standard deviation) to assess the reasonableness of tender prices relative to the Employer's Agent estimate. This range assists in eliminating bid prices that are deemed excessively high or low. Prices falling outside the tolerance range (-20% to +20%) will be deemed non-responsive. The higher limit ensures Vaal Central Water does not pay more than the service or goods are worth, while the lower limit mitigates the risk of incomplete work or subsequent price increases due to under-pricing.</p> <p><b>Abnormal or Unbalanced Rates</b></p> <p>If, in the opinion of the Employer, any rate or price is materially front-loaded, nominal, excessive, or otherwise unbalanced in relation to the work described, the Employer may call upon the Tenderer to provide a detailed rate build-up and supporting substantiation within the period stated in the request. If the Tenderer fails to provide adequate substantiation, or if the substantiation demonstrates that the tender is materially unbalanced in a manner that poses unacceptable commercial or performance risk to the Employer, the Employer may regard the tender as non-responsive or may reject it on that basis.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE                                                             | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |                       |                                                                    |    |                                                          |   |                                                                |                          |                                                      |                        |                                    |                               |                              |                                   |                             |                            |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|--------------------------------------------------------------------|----|----------------------------------------------------------|---|----------------------------------------------------------------|--------------------------|------------------------------------------------------|------------------------|------------------------------------|-------------------------------|------------------------------|-----------------------------------|-----------------------------|----------------------------|
|                                                                    | <p>Vaal Central reserves the right not to appoint the lowest bid.</p> <p>Bids will be opened immediately after the closing time for bids, at the same venue. The name of each tenderer and their bid price will be read out and recorded.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        |                       |                                                                    |    |                                                          |   |                                                                |                          |                                                      |                        |                                    |                               |                              |                                   |                             |                            |
| 6.11.5                                                             | <p>The procedure for the evaluation of responsive tenders is method 4 (Financial offer, quality and preference).</p> $T_{EV} = f_1 (N_{FO} + N_P) + f_2 N_Q$ <p>Where:</p> <p><math>f_1</math> &amp; <math>f_2</math> are fractions,</p> <p><math>f_1</math> equals 1 minus <math>f_2</math>; and the value of <math>f_2 = 0.5</math></p> <p><math>N_{FO} \rightarrow</math> is the number of tender evaluation points awarded for the <u>Financial Offer</u> made in accordance with SANS ISO 10845-3: 2022 Ed2 clause 6.11.7, (where <math>N_{FO}</math> is a maximum of 80 points);</p> <p><math>N_P \rightarrow</math> is the number of tender evaluation points awarded for <u>Preference points claimed for specific goals</u> in accordance with SANS ISO 10845-3: 2022 Ed 2 clause 6.11.8, (where <math>N_P</math> is a maximum of 20 points);</p> <p><math>N_Q \rightarrow</math> is the number of tender evaluation points awarded for <u>Functionality (Quality)</u> in accordance with SANS ISO 10845-3:2022 Ed 2 clause 6.11.9, (where <math>N_Q</math> is a maximum of 100 points).</p> <p><u>Functionality (Quality)</u> will be calculated as follows: <math>N_Q = 100 \times S_O / M_S</math></p> <p>Where:</p> <p><math>S_O \rightarrow</math> is the score for quality allocated to the submission under consideration;</p> <p><math>M_S \rightarrow</math> is the maximum possible score for quality in respect of a submission</p> <p><b>Example:</b><br/>For example, if a Tenderer scores the following:<br/>75 points for pricing (<math>N_{FO}</math>) out of 90;<br/>6 points for preferencing (<math>N_P</math>) out of 10;<br/>128 points for functionality (Quality) out of 170<br/>And the fractions are <math>f_1</math> equals <math>f_2</math> equals 0,5</p> <table border="1"> <thead> <tr> <th>Where the weights are:</th><th>Example values scored</th></tr> </thead> <tbody> <tr> <td>Total points for the financial offer (<math>N_{FO}</math>) <math>\rightarrow</math> 90</td><td>75</td></tr> <tr> <td>Total points for preferencing (<math>N_P</math>) <math>\rightarrow</math> 10</td><td>6</td></tr> <tr> <td>Maximum possible score for quality (<math>M_S</math>) <math>\rightarrow</math> 185</td><td><math>S_O \rightarrow</math> 138.75</td></tr> <tr> <th>Calculation: <math>T_{EV} = f_1 (N_{FO} + N_P) + f_2 N_Q</math></th><th>Example of calculation</th></tr> <tr> <td>Where: <math>f_1 \times (N_{FO} + N_P)</math></td><td><math>0.5 \times (75 + 6) = 40.50</math></td></tr> <tr> <td><math>N_Q = 100 \times S_O / M_S</math></td><td><math>138.75 / 185 \times 100 = 75.00</math></td></tr> <tr> <td>And Where: <math>f_2 \times N_Q</math></td><td><math>0.5 \times 75.00 = 37.50</math></td></tr> </tbody> </table> | Where the weights are: | Example values scored | Total points for the financial offer ( $N_{FO}$ ) $\rightarrow$ 90 | 75 | Total points for preferencing ( $N_P$ ) $\rightarrow$ 10 | 6 | Maximum possible score for quality ( $M_S$ ) $\rightarrow$ 185 | $S_O \rightarrow$ 138.75 | Calculation: $T_{EV} = f_1 (N_{FO} + N_P) + f_2 N_Q$ | Example of calculation | Where: $f_1 \times (N_{FO} + N_P)$ | $0.5 \times (75 + 6) = 40.50$ | $N_Q = 100 \times S_O / M_S$ | $138.75 / 185 \times 100 = 75.00$ | And Where: $f_2 \times N_Q$ | $0.5 \times 75.00 = 37.50$ |
| Where the weights are:                                             | Example values scored                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                        |                       |                                                                    |    |                                                          |   |                                                                |                          |                                                      |                        |                                    |                               |                              |                                   |                             |                            |
| Total points for the financial offer ( $N_{FO}$ ) $\rightarrow$ 90 | 75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                       |                                                                    |    |                                                          |   |                                                                |                          |                                                      |                        |                                    |                               |                              |                                   |                             |                            |
| Total points for preferencing ( $N_P$ ) $\rightarrow$ 10           | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                       |                                                                    |    |                                                          |   |                                                                |                          |                                                      |                        |                                    |                               |                              |                                   |                             |                            |
| Maximum possible score for quality ( $M_S$ ) $\rightarrow$ 185     | $S_O \rightarrow$ 138.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                       |                                                                    |    |                                                          |   |                                                                |                          |                                                      |                        |                                    |                               |                              |                                   |                             |                            |
| Calculation: $T_{EV} = f_1 (N_{FO} + N_P) + f_2 N_Q$               | Example of calculation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                       |                                                                    |    |                                                          |   |                                                                |                          |                                                      |                        |                                    |                               |                              |                                   |                             |                            |
| Where: $f_1 \times (N_{FO} + N_P)$                                 | $0.5 \times (75 + 6) = 40.50$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        |                       |                                                                    |    |                                                          |   |                                                                |                          |                                                      |                        |                                    |                               |                              |                                   |                             |                            |
| $N_Q = 100 \times S_O / M_S$                                       | $138.75 / 185 \times 100 = 75.00$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                        |                       |                                                                    |    |                                                          |   |                                                                |                          |                                                      |                        |                                    |                               |                              |                                   |                             |                            |
| And Where: $f_2 \times N_Q$                                        | $0.5 \times 75.00 = 37.50$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                       |                                                                    |    |                                                          |   |                                                                |                          |                                                      |                        |                                    |                               |                              |                                   |                             |                            |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |
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|        | Total Tender evaluation points ( $T_{EV}$ ) → 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 40.50 + 37.50 = <b>78.00</b> |
| 6.11.7 | <p>The score for financial offers using the following formula:</p> $N_{Fo} = W_1 \times A$ <p>Where:</p> <p><math>N_{Fo}</math> → is the number of tender evaluation points awarded for the financial offer;</p> <p>The financial offer is scored using formula 2 (option 2) in Table 1 where the value of <math>W_1</math> is equal to <b>80</b> where the financial value inclusive of VAT of all responsive tenders received has a value <b>below</b> of R50 000 000,00.</p> <p><b>OR</b></p> <p><math>W_1</math> equals <b>90</b> where the financial value inclusive of VAT of all responsive tenders received has a value in <b>excess</b> of R50 000 000,00.</p> <p><b>AND</b></p> $A = \left(1 - \frac{P - P_m}{P_m}\right) \quad (\text{As per Preferential Procurement Regulations, 2022})$ <p>P is the comparative offer of the tender offer under consideration;</p> <p><math>P_m</math> is the comparative offer of the most favorable comparative offer</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |
| 6.11.8 | <p>Preferential Procurement Regulations, 2022, will be used to evaluate this proposal as per the applicable threshold value.</p> <p>Bid proposals will be evaluated based on the 80/20 preference points system in accordance with the PPPFA Act (Act no. 5 of 2000). Where a maximum of 80 points will be awarded in respect of price and a maximum of 20 points will be awarded for specific goals.</p> <p>In terms of Regulation 4(2) and 5(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the tenderer's goals claimed as per Table 1 below. The tenderer goals claimed must be supported by proof / documentation as per Table 2 and the special conditions of this tender where applicable.</p> <p><b>"Specific goals"</b> means specific goals as contemplated in section 2(1)(d) of the PPPFA Act which may include contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination on the basis of race, gender and disability including the implementation of programmes of the Reconstruction of Development Programme as published in <i>Government Gazette</i> No. 16085 date 23 November 1994.</p> <p><b>"Ownership"</b> means the percentage of ownership and control, exercised by individuals within an enterprise.</p> <p><b>"Disability"</b> means, in respect of a person, a permanent impairment of a physical, intellectual, or sensory function, which results in restricted, or lack of, ability to perform an activity in the manner, or within the range, considered normal for a human being.</p> <ol style="list-style-type: none"> <li>A blind person (in terms of the Blind Persons Act, 1968 (Act no.26 of 1968);</li> <li>A deaf person, whose hearing is impaired to such an extent that he/she cannot use it as a primary means of communication;</li> <li>A person who, as a result of permanent disability, requires a wheelchair, calliper or crutch to assist him/her in moving from one place or another;</li> <li>A person who requires an artificial limb; or</li> <li>A person who suffers from a mental illness (in terms of the Mental Health Act, 1973 (Act</li> </ol> |                              |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| CLAUSE                                                                                                           | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |
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|                                                                                                                  | no. 18 of 1973).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |
| 6.11.8<br>(continued)                                                                                            | <p><b>"Youth"</b> means, in respect of a person younger than 35 years of age.</p> <p><b>Women, disability, and youth</b> will be measured by calculating the pro-rata percentage of ownership of the bidding company which meets the criterion. E.g., Company A has five shareholders each of whom owns 20% of the company. Three of the five shareholders meet the criterion, i.e. they are women/disability/youth. Therefore, this bidder will obtain 60% of the points allowable for this goal.</p> <p>The number of points for <b>N<sub>p</sub></b> will be capped at a maximum of 20, as outlined in Table 1 below, in accordance with the Preferential Procurement Regulations, 2022. The points awarded will be based on the Tenderer's specific objectives, as detailed in the table below.</p> <p>Failure on the part of a bidder to submit proof of documentation required in terms of this tender to claim for specific goals with the bid will be interpreted to mean that preference points for specific goals are not claimed and will not be allocated.</p> <p><b>Table 1: Specific Goals for the tender and points claimed are indicated per the table below</b></p> <table><tr><th colspan="2">Specific Goal</th><th>Points (80/20)</th><th>Points (90/10)</th></tr><tr><td colspan="2">Ownership &gt;50% by <b>Black persons</b></td><td>3</td><td>2</td></tr><tr><td colspan="2">Ownership &gt;50% by <b>Women or Youth or People with Disability</b></td><td>2</td><td>1</td></tr><tr><td colspan="2">Located in a specific Local Area of Supply for work to be done:<br/><b>Free State and Northern Cape Provinces</b></td><td>10</td><td>4</td></tr><tr><td colspan="2"><b>Promotion of BEE Companies: The specific goals allocated points in terms of this tender</b></td><td><b>5</b></td><td><b>3</b></td></tr><tr><td>BBBEE Level 1</td><td rowspan="4">Sworn affidavits/<br/>CIPC/<br/>BBBEE Certificates</td><td>5</td><td>3</td></tr><tr><td>BBBEE Level 2</td><td>2</td><td>1</td></tr><tr><td>BBBEE Level 3</td><td>0</td><td>0</td></tr><tr><td>BBBEE Level 4+</td><td>0</td><td>0</td></tr><tr><td colspan="2"><b>TOTAL</b></td><td><b>20</b></td><td><b>10</b></td></tr></table> <p><b>Note to organs of state:</b> Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.</p> <p><b>Note to prospective Bidders:</b> The Bidder must indicate how they claim points for each preference point system.</p> | Specific Goal  |                | Points (80/20) | Points (90/10) | Ownership >50% by <b>Black persons</b> |  | 3 | 2 | Ownership >50% by <b>Women or Youth or People with Disability</b> |  | 2 | 1 | Located in a specific Local Area of Supply for work to be done:<br><b>Free State and Northern Cape Provinces</b> |  | 10 | 4 | <b>Promotion of BEE Companies: The specific goals allocated points in terms of this tender</b> |  | <b>5</b> | <b>3</b> | BBBEE Level 1 | Sworn affidavits/<br>CIPC/<br>BBBEE Certificates | 5 | 3 | BBBEE Level 2 | 2 | 1 | BBBEE Level 3 | 0 | 0 | BBBEE Level 4+ | 0 | 0 | <b>TOTAL</b> |  | <b>20</b> | <b>10</b> |
| Specific Goal                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Points (80/20) | Points (90/10) |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |
| Ownership >50% by <b>Black persons</b>                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3              | 2              |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |
| Ownership >50% by <b>Women or Youth or People with Disability</b>                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2              | 1              |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |
| Located in a specific Local Area of Supply for work to be done:<br><b>Free State and Northern Cape Provinces</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10             | 4              |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |
| <b>Promotion of BEE Companies: The specific goals allocated points in terms of this tender</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>5</b>       | <b>3</b>       |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |
| BBBEE Level 1                                                                                                    | Sworn affidavits/<br>CIPC/<br>BBBEE Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5              | 3              |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |
| BBBEE Level 2                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2              | 1              |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |
| BBBEE Level 3                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0              | 0              |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |
| BBBEE Level 4+                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0              | 0              |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |
| <b>TOTAL</b>                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>20</b>      | <b>10</b>      |                |                |                                        |  |   |   |                                                                   |  |   |   |                                                                                                                  |  |    |   |                                                                                                |  |          |          |               |                                                  |   |   |               |   |   |               |   |   |                |   |   |              |  |           |           |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| CLAUSE | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6.11.9 | The quality criteria and maximum score with respect to each of the criteria are as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |
|        | <b>Technical Evaluation Criteria - Functionality (Quality)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |
|        | <b>DESCRIPTION OF EVALUATION CRITERIA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Points</b> |
|        | <b>1. COMPANY EXPERIENCE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>35</b>     |
|        | The tenderer must demonstrate company experience in projects that relate to the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |
|        | 1.1 Potable water pipeline repair or replacement projects / portable water valve repairs or installations / installation of meters / refurbishment or construction of chamber / appurtenant structure works with a project value of R 10 million or more per project:<br><br>(Tenderers must provide evidence in the form of completion certificates for all projects completed within the last 10 years or less, that are being submitted for consideration)<br><br>a) 5 or more projects of stated value completed – <b>35 Points.</b><br>b) 3 - 4 projects of stated value completed – <b>20 Points.</b><br>c) 2 projects of stated value completed – <b>15 Points.</b><br>d) 1 project of stated value completed - <b>4 Points</b><br>e) No relevant experience with potable water pipeline repair / replacement projects – <b>0 Points.</b> | <b>MAX 35</b> |
|        | <b>DESCRIPTION OF EVALUATION CRITERIA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Points</b> |
|        | <b>2. KEY PERSONNEL EXPERIENCE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>40</b>     |
|        | The Tenderer's proposed personnel must demonstrate competency and relevant experience in potable water reticulation construction, leak repair, fittings and valves, meter installations, reinstatement, shutdown planning and municipal service coordination. CVs shall include qualifications, registrations where applicable, and a list of similar projects worked on:                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |
|        | 2.1 <b><u>Contracts Manager/Contracts Director</u></b><br>a) BEng/BTech in Civil Engineering or Construction Management with more than 10 years of relevant potable water pipeline and municipal reticulation experience – <b>15 Points</b><br>b) As above, with more than 5 and up to 10 years of relevant experience – <b>10 Points</b><br>c) As above, with less than 5 years of relevant experience – <b>10 Points</b><br>d) No relevant experience demonstrated – <b>3 Points</b>                                                                                                                                                                                                                                                                                                                                                           | <b>MAX 15</b> |
|        | 2.2 <b><u>Construction Manager (Site Agent)</u></b><br>a) National Diploma in Civil Engineering / equivalent qualification with more than 5 years of relevant potable water reticulation experience – <b>10 Points</b><br>b) As above, with more than 2 and up to 5 years of relevant experience – <b>6 Points</b><br>c) As above, with less than 2 years of relevant experience – <b>3 Points</b><br>d) No relevant experience demonstrated – <b>0 Points</b>                                                                                                                                                                                                                                                                                                                                                                                   | <b>MAX 10</b> |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE                | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6.11.9<br>(continued) | DESCRIPTION OF EVALUATION CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Points        |
|                       | <b>2.3 Site foreman/team leader</b><br>a) More than 5 years of relevant potable water reticulation / leak repair experience, including fittings, valves and reinstatement – <b>5 Points</b><br>b) More than 3 years of relevant experience – <b>4 Points</b><br>c) Relevant experience demonstrated but below the above thresholds – <b>3 Points</b><br>d) No relevant experience demonstrated – <b>0 Points</b>                                                                       | <b>MAX 5</b>  |
|                       | <b>2.4 SHEQ / OHS Officer</b><br>a) Professionally registered SACPCMP OHS Officer or equivalent, with more than 5 years of relevant construction OHS experience – <b>5 Points</b><br>b) Relevant OHS experience demonstrated with registration or suitable proof of competency – <b>3 Points</b><br>c) Limited relevant experience – <b>2 Points</b><br>d) No relevant experience demonstrated – <b>0 Points</b>                                                                       | <b>MAX 5</b>  |
|                       | <b>2.5 Supervisory and labour team availability for the concurrent backlog</b><br>a) 2 or more leak repair / pipeline teams available – <b>5 Points</b><br>b) 2 leak repair / pipeline teams available – <b>3 Points</b><br>c) 1 leak repair / pipeline team available – <b>2 Points</b><br>d) No credible team structure demonstrated – <b>0 Points.</b>                                                                                                                              | <b>MAX 5</b>  |
|                       | DESCRIPTION OF EVALUATION CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Points        |
|                       | 3. CONTRACTOR'S PLANT RESOURCES                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |
|                       | The tenderer must demonstrate ownership of, or access to, resources (plant, equipment and tools) suitable for potable water leak repair and replacement works. The tenderer shall submit proof of ownership, NATIS documentation where applicable, lease agreements, or signed letters of intent for leased plant. Bidders will score full points for owned plant / equipment and 75% of the points for rental plant / equipment, provided that credible proof of access is submitted. |               |
|                       | <b>3.1 Core excavation and transport plant</b><br>The following minimum core plant is required to be available for this project:<br>a) 1 x 20t or larger excavators – <b>5 Points each.</b><br>b) 1 x 3.5 cube front end loader – <b>5 Points each</b><br>c) 2 x TLBs – <b>5 Points each.</b><br>d) 2 x tipper trucks (minimum 8 m <sup>3</sup> ) – <b>5 Points each.</b><br>e) 3 x light delivery / support vehicles – <b>5 Points each.</b>                                          | <b>MAX 25</b> |
|                       | <b>3.2 Leak repair, reinstatement and support equipment</b><br>a) 2 x dewatering pumps – <b>5 Points each.</b><br>b) 2 x compaction units (pedestrian roller / plate compactor / rammer combination) – <b>5 Points each.</b>                                                                                                                                                                                                                                                           | <b>MAX 10</b> |
|                       | DESCRIPTION OF EVALUATION CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
|                       | 4. METHODOLOGY AND PROGRAMME                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |
|                       | The Bidder must submit a methodology and proposed programme of work illustrating their understanding of the backlog leak repair scope and the establishment of a new verified baseline. This representation should show how the Tenderer will prioritise, verify, execute, record and close out the backlog leak repair works. The programme shall be presented in a Gantt chart format (e.g. MS Project).                                                                             |               |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE                | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 6.11.9<br>(continued) | DESCRIPTION OF EVALUATION CRITERIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Points        |
|                       | <b>4.1 Methodology and proposed approach</b><br>(Limited to 10 A4 pages, Arial size 10 font, single spacing)<br>The methodology shall address at least the following: approach to repair backlog of leaks; confirmation of defects before repair; sequencing of works; excavation and repair methods; fittings, valves, chambers and meter-related works; reinstatement; safety; traffic accommodation; shutdown planning where required; and close-out records.<br><br>a) The Tenderer did not submit a methodology – <b>0 Points.</b><br>b) The methodology demonstrates a poor understanding of the works and is unlikely to satisfy the project objectives – <b>3 Points.</b><br>c) The methodology is generic / basic and does not adequately deal with the critical characteristics of the project – <b>5 Points.</b><br>d) The methodology shows a good understanding of the scope of work and demonstrates the ability to perform the works – <b>8 Points.</b><br>The methodology shows an excellent understanding of the scope of work and demonstrates a practical, efficient and well-structured approach to backlog reduction and baseline establishment – <b>10 Points.</b> | <b>Max 10</b> |
|                       | <b>4.2 Programme in Gantt chart format</b><br>The programme shall indicate resource deployment, concurrent work fronts where applicable, productivity assumptions, sequencing, and realistic time allowances for distributed area leak repairs, measurement, testing and close-out.<br>a) The Tenderer did not submit a programme / submitted programme is not in Gantt chart format – <b>0 Points.</b><br>b) The programme has very little detail and the timelines are unrealistic or show a lack of experience – <b>3 Points.</b><br>c) The programme is generic / basic and does not adequately deal with the critical characteristics of the project – <b>5 Points.</b><br>d) The programme shows an understanding of the scope of work and indicates a workable execution plan – <b>8 Points.</b><br>e) The programme is detailed, realistic and demonstrates a strong understanding of the scope of work, team deployment and workflow – <b>10 Points.</b>                                                                                                                                                                                                                        | <b>MAX 10</b> |
|                       | <b>4.3 Quality control, testing and close-out records</b><br><br>The methodology shall address pressure testing, flushing / disinfection where required, reinstatement inspection, repair records, photographic records, and close-out information required.<br><br>a) No credible quality / close-out approach submitted – <b>0 Points.</b><br>b) Limited approach submitted – <b>2 Points.</b><br>c) Adequate approach submitted – <b>4 Points.</b><br>d) Detailed and practical approach submitted – <b>5 Points.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>MAX 5</b>  |
|                       | <b>5. LOCALITY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>25</b>     |
|                       | Tenderer to submit an original (or certified copy) of the municipal rates clearance certificate or a certified copy of the lease agreement with the lessor municipal rates certificate not older than 3 months (Vaal Central Water reserves the right to conduct physical verification of premises):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |
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|        | a) Tenderer is based within the Thabo Mofutsanyane District Municipality area of supply - <b>25 Points</b><br>b) Tenderer is based within Vaal Central Water area of supply - <b>15 Points</b><br>c) Tenderer is based outside of Thabo Mofutsanyane District Municipality and Vaal Central Water area of supply - <b>0 Points</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>MAX 25</b> |
|        | <b>6. BANK RATING / ACCESS TO FINANCE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>15</b>     |
|        | The Tenderer must demonstrate that they have the financial capability to complete the project, by submitting an original bank rating from their bank (not older than 3 months) or financial statements (not older than 3 months):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |
|        | a) Tenderer has a B-rating from the bank / has demonstrated cash reserves of R 1.5 million or above - <b>15 Points</b><br>b) Tenderer has a C-rating from the bank or lower - <b>7 Points</b><br>c) The Tenderer has not provided a bank rating of financial statements / the provided rating or statements is older than 3 months - <b>0 Points</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>MAX 15</b> |
|        | <b>MAXIMUM POSSIBLE SCORE FOR QUALITY (Ms)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>175</b>    |
|        | <p>Functionality refers to the Tenderer's technical capability, as demonstrated by their experience, to deliver the required product in line with the specified standards of quality, reliability, and performance.</p> <p>The Bidder (and or together with the Bidders' subcontractor) must meet the minimum requirements outlined in the functionality criteria and achieve a minimum score of 75% which equates to 131.25 points (SO) out of a possible 175 points (Ms) for Functionality. An overall minimum threshold of 131.25 (SO) points out of a total of 175 (Ms) must be achieved for the tender to be eligible. Bids scoring below 131.25 points (SO) will be deemed technically unacceptable and will not progress to further evaluation.</p> <p>Bidders that lease plant or equipment may use more than 1 service provider for the supply of the respective plant or equipment.</p> <p>Bidders intending to use a specialist subcontractor for scoring must include supporting details about the subcontractor, along with a letter of intent to engage their services, in the bid submission. If a bidder relies on the subcontractor's functionality score, they are required to employ that subcontractor for the project if awarded the contract, or to use a similar approved subcontractor who meets or exceeds the functionality score of the initially proposed subcontractor. Furthermore, any pricing included in the bidding documentation for specialist services will be fixed and binding throughout the duration of the contract.</p> <p>See the T2 returnable annexure for applicable documents with details on point allocation for the sub-criteria.</p> <p>The minimum number of evaluation points required for functionality (quality) is 131.25 out of 175.</p> |               |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE                | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.11.9<br>(continued) | <p>This score of 131.25 points will be converted into a score out of 100 using the following formula:</p> $N_Q = 100 \times S_o / M_s$ <p>Where:</p> <ul style="list-style-type: none"> <li>• <math>N_Q \rightarrow</math> is the number of tender evaluation points awarded for the functionality offered;</li> <li>• <math>S_o \rightarrow</math> is the score for functionality criteria (6.11.9) allocated to the submission under consideration</li> <li>• <math>M_s \rightarrow</math> is the maximum possible score for functionality criteria (175).</li> </ul> <p>The minimum required evaluation points for functionality (quality) are 131.25 out of 175, which is equivalent to a minimum score of 75 out of 100 (rounded to the nearest whole number).</p> <p>The scores of each of the evaluators will be averaged, weighted and then totalled to obtain the final score for quality.</p> <p>Functionality shall be evaluated strictly in accordance with the objective criteria, documentary proof requirements and numerical point allocations stated in clause 6.11.9. The general qualitative scoring matrix indicated above shall not apply to those criteria that are expressly scored on an objective documentary basis.</p> |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CLAUSE | TENDER DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.13   | <p>Tender offers will only be accepted if:</p> <ul style="list-style-type: none"> <li>a) the Tenderer is registered on the Central Supplier Database (CSD) for the South African government (see <a href="https://secure.csd.gov.za/">https://secure.csd.gov.za/</a>) unless it is a foreign supplier with no local registered entity;</li> <li>b) the Tenderer is in good standing with SARS according to the Central Supplier Database;</li> <li>c) the Tenderer submits a letter of intent from an approved insurer undertaking to provide the Performance guarantee to the format included in Part C1.3 of this procurement document;</li> <li>d) the Tenderer is registered with the Construction Industry Development Board (CIDB) in an appropriate Contractor grading designation;</li> <li>e) the Tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector;</li> <li>f) the Tenderer has not: <ul style="list-style-type: none"> <li>i) abused the Employer's Supply Chain Management System; or</li> <li>ii) failed to perform on any previous contract and has been given a written notice to this effect;</li> </ul> </li> <li>g) the Tenderer has completed the Compulsory Declaration and there are no conflicts of interest which may impact the Tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process;</li> <li>h) the Tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer;</li> <li>i) the employer is reasonably satisfied that the Tenderer has in terms of the Construction Regulations, 2014, issued in terms of the Occupational Health and Safety Act (85/1993), the necessary competencies and resources to carry out the work safely.</li> </ul> <p><b>Objective Criteria</b></p> <p>Vaal Central Water shall apply objective criteria in accordance with the PPPFA.<br/> Rotation of suppliers for tenders will be done on the following conditions:</p> <ul style="list-style-type: none"> <li>a) Aggregate value of R250 million (inclusive of all taxes) awarded.</li> <li>b) Where an award to be made to the supplier results in the cumulative value exceeding the rotation threshold for bids, that award can be made which will constitute the last award to the supplier in the financial year.</li> <li>c) As its objective criteria, Vaal Central Water shall therefore not award to a Bidder that scores the highest points, if such Bidder has already exceeded the rotation threshold for bids.</li> </ul> <p>In making the determination on the aggregate value of work awarded to a supplier, Vaal Central Water shall consider the supplier's relations and as such, where Vaal Central Water had awarded work to entities and/or persons that are related and/or inter-related to the supplier, the value of such awards shall be used as a measure of assessing the aggregate value of the work awarded to the supplier.</p> |
| 6.16   | <p>Replace the contents of the clause with the following:</p> <p>Notice of non-acceptance of bid will not be sent to individual unsuccessful Bidders. Particulars of the accepted bid can be obtained from the Employer's Agent.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 6.17   | <p>The successful Bidder shall receive one copy of the contract signed by all parties.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

### MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

#### SECTION T1.3

#### STANDARD CONDITIONS OF TENDER

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

## MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

### **T1.3 STANDARD CONDITIONS OF TENDER**

The conditions of tender are governed by the latest edition of SANS ISO 10845-3:2022 (Ed 2), titled "Construction Procurement – Part 3: Standard Conditions of Tender," as referenced in the Construction Industry Development Board (CIDB) Act, 2000 (Act No. 38 of 2000).

This standard includes specific references to the Tender Data, which will take precedence in the event of any ambiguity or inconsistency between the Tender Data and the provisions of SANS ISO 10845-3:2022 Ed 2.

While this document does not include the full text of the standard, the relevant edition is available for purchase at the Contractor's expense from the South African Bureau of Standards (SABS), Private Bag X191, Pretoria, 0001. Alternatively, the standard may be obtained online from the SABS website at <https://store.sabs.co.za>

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

VAAL CENTRAL WATER

CONTRACT NO.

VCW380/PWLPLM/24

MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA

**PART T2:**

**RETURNABLE DOCUMENTS AND SCHEDULES**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

VAAL CENTRAL WATER

CONTRACT NO.

VCW380/PWLPLM/24

MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA

RETURNABLE DOCUMENTS

INDEX

| Section      | Description                                                        | Page No |
|--------------|--------------------------------------------------------------------|---------|
| SECTION T2.1 | RETURNABLE SCHEDULES REQUIRED FOR BID EVALUATION<br>PURPOSES ..... | T2.1-1  |
| SECTION T2.2 | OTHER DOCUMENTS REQUIRED FOR BID EVALUATION<br>PURPOSES .....      | T2.2-1  |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**VAAL CENTRAL WATER**

**CONTRACT NO.**

**VCW380/PWLPLM/24**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

**SECTION T2.1**

**RETURNABLE SCHEDULES  
REQUIRED FOR BID EVALUATION  
PURPOSES**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

## MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

### T2.1 RETURNABLE SCHEDULES REQUIRED FOR BID EVALUATION PURPOSES

The Bidder must complete the following returnable documents:

**VOLUME 1 & 2: TENDER DOCUMENT** in its entirety.

The information the Bidder shall supply in his tender or attached to their tender shall include, but not be limited to the documents and schedules as set out below.

#### Standard Bidding Documents (SBD):

The following standard SBD's should be completed (if applicable) legibly and in full in terms of the requirements of the National Treasury of the Republic of South Africa:

|         |                                            |
|---------|--------------------------------------------|
| SBD1:   | Invitation to Bid and Company Information  |
| SBD4:   | Bidder's Disclosure                        |
| SBD6.1: | Preference Points Claim Form               |
| SBD7.1: | Contract Form – Purchase of Goods/Services |

#### Additional Forms:

|             |                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------|
| Form 2.1.1  | Record of Addenda to Bid Documents                                                                                  |
| Form 2.1.2  | Certificate of Attendance at Clarification Meeting                                                                  |
| Form 2.1.3  | Registration Certificate/Agreement/Powers of Attorney/ID Document (If Applicable)                                   |
| Form 2.1.4  | Certificate of Authority of Signature                                                                               |
| Form 2.1.5  | Tax Compliance Status Verification                                                                                  |
| Form 2.1.6  | Certified Copy of Latest UIF Return                                                                                 |
| Form 2.1.7  | Certified Copy Latest Municipal Rates and Taxes Clearance Certificate or Copy of Valid Lease Agreement (If Renting) |
| Form 2.1.8  | Certified Proof of Expenditure for Skills Development                                                               |
| Form 2.1.9  | Certified Copy of Letter of Good Standing with Compensation Commissioner or With a Licensed Compensation Insurer    |
| Form 2.1.10 | Certified Certificate of Tenderer's B-BBEE Status Level                                                             |
| Form 2.1.11 | Certified Copy of Letter of Intent to Provide a Performance Guarantee                                               |
| Form 2.1.12 | Certified Copy of CIDB Registration Certificate                                                                     |
| Form 2.1.13 | Proposed Programme of Works                                                                                         |
| Form 2.1.14 | Proof of Quality Management System                                                                                  |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SBD 1

## PART A INVITATION TO BID

|                                                                                                                                                                     |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------|-------------------------------------|---------|
| <b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF VAAL CENTRAL WATER</b>                                                                                         |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| <b>BID NUMBER:</b>                                                                                                                                                  | VCW380/PWLPLM/24                                                                                                                                                                   | <b>CLOSING DATE:</b>                                                                                        | 29/09/2026 | <b>CLOSING TIME:</b>                | 12:00   |
| <b>DESCRIPTION</b>                                                                                                                                                  | MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                                                                                                             |            |                                     |         |
| <b>THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).</b>                                                                   |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT:                                                                                                 |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| 2 Mzuzu Street                                                                                                                                                      |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| Pellissier                                                                                                                                                          |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| Bloemfontein                                                                                                                                                        |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| 9322                                                                                                                                                                |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| <b>SUPPLIER INFORMATION</b>                                                                                                                                         |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| NAME OF BIDDER                                                                                                                                                      |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| POSTAL ADDRESS                                                                                                                                                      |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| STREET ADDRESS                                                                                                                                                      |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| TELEPHONE NUMBER                                                                                                                                                    | CODE                                                                                                                                                                               |                                                                                                             | NUMBER     |                                     |         |
| CELLPHONE NUMBER                                                                                                                                                    |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| FACSIMILE NUMBER                                                                                                                                                    | CODE                                                                                                                                                                               |                                                                                                             | NUMBER     |                                     |         |
| E-MAIL ADDRESS                                                                                                                                                      |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
| VAT REGISTRATION NUMBER                                                                                                                                             |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
|                                                                                                                                                                     |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |
|                                                                                                                                                                     |                                                                                                                                                                                    | TCS PIN:                                                                                                    |            | <b>OR</b>                           | CSD No: |
| B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE<br>(TICK APPLICABLE BOX)                                                                                               |                                                                                                                                                                                    | <input type="checkbox"/> Yes                                                                                |            | B-BBEE STATUS LEVEL SWORN AFFIDAVIT |         |
|                                                                                                                                                                     |                                                                                                                                                                                    | <input type="checkbox"/> No                                                                                 |            | <input type="checkbox"/> Yes        |         |
| IF YES, WHO WAS THE CERTIFICATE ISSUED BY?                                                                                                                          |                                                                                                                                                                                    | <input type="checkbox"/> No                                                                                 |            |                                     |         |
| AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) AND NAME THE APPLICABLE IN THE TICK BOX                                                    |                                                                                                                                                                                    | <input type="checkbox"/> AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA)           |            |                                     |         |
|                                                                                                                                                                     |                                                                                                                                                                                    | <input type="checkbox"/> A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS) |            |                                     |         |
|                                                                                                                                                                     |                                                                                                                                                                                    | <input type="checkbox"/> A REGISTERED AUDITOR                                                               |            |                                     |         |
|                                                                                                                                                                     |                                                                                                                                                                                    | NAME:                                                                                                       |            |                                     |         |
| <b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/SWORN AFFIDAVIT (FOR EMEs&amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b> |                                                                                                                                                                                    |                                                                                                             |            |                                     |         |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

|                                                                                                                          |                                                                                    |                                                                          |                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?                            | <input type="checkbox"/> Yes <input type="checkbox"/> No<br>[IF YES ENCLOSE PROOF] | ARE YOU A FOREIGN-BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED? | <input type="checkbox"/> Yes <input type="checkbox"/> No<br>[IF YES ANSWER PART B:3 BELOW] |
| SIGNATURE OF BIDDER                                                                                                      | .....                                                                              | DATE                                                                     |                                                                                            |
| CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g. resolution of directors, etc.) |                                                                                    |                                                                          |                                                                                            |
| TOTAL NUMBER OF ITEMS OFFERED                                                                                            |                                                                                    | TOTAL BID PRICE (ALL INCLUSIVE)                                          |                                                                                            |

| BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO: |                      | TECHNICAL INFORMATION MAY BE DIRECTED TO: |                       |
|-------------------------------------------------|----------------------|-------------------------------------------|-----------------------|
| DEPARTMENT/ PUBLIC ENTITY                       | Vaal Central Water   | COMPANY                                   | Vaal Central Water    |
| CONTACT PERSON                                  | Mr T Kheane          | CONTACT PERSON                            | Mr A Mnyaka           |
| TELEPHONE NUMBER                                | 051 403 0800         | TELEPHONE NUMBER                          | 051 403 0800          |
| E-MAIL ADDRESS                                  | thatok@vcwater.co.za | E-MAIL ADDRESS                            | kgetsip@vcwater.co.za |

## PART B TERMS AND CONDITIONS FOR BIDDING

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. BID SUBMISSION:</b><br>1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.<br>1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR ONLINE<br>1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.<br>1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.<br>1.5. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT. |
| <b>2. TAX COMPLIANCE REQUIREMENTS</b><br>2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.<br>2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.<br>2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILEING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.<br>2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TAX COMPLIANCE STATUS (TCS) TOGETHER WITH THE BID.<br>2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / PIN / CSD NUMBER.<br>2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.                                                                                                                                                                                                                                                                                                      |
| <b>3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



- |                                                                      |                                                          |
|----------------------------------------------------------------------|----------------------------------------------------------|
| 3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA?                       | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA?      | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA?           | <input type="checkbox"/> YES <input type="checkbox"/> NO |

**IF THE ANSWER IS “NO” TO ALL OF THE ABOVE, THEN, IT IS NOT A REQUIREMENT TO OBTAIN A TAX COMPLIANCE STATUS / TAX COMPLIANCE SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 ABOVE.**

**NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## SBD 4

### BIDDER'S DISCLOSURE

#### 1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s is listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

#### 2. BIDDER'S DECLARATION

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest<sup>1</sup> in the enterprise, employed by the state? **YES/NO**

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

| Full Name | Identity Number | Name of State institution |
|-----------|-----------------|---------------------------|
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....  
 .....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

<sup>1</sup> the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

2.3.1 If so, furnish particulars:

.....  
.....

### 3. DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>2</sup> will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.  
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of Bidder

<sup>2</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## **PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022**

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

**NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022**

### **1. GENERAL CONDITIONS**

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 **To be completed by the organ of state**

- a) The applicable preference point system for this tender is the **80/20** preference point system.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- a) Price; and
- b) Specific Goals.

1.4 **To be completed by the organ of state:**

The maximum points for this tender are allocated as follows:

|                                           | POINTS |
|-------------------------------------------|--------|
| PRICE                                     | 80     |
| SPECIFIC GOALS                            | 20     |
| TOTAL POINTS FOR PRICE AND SPECIFIC GOALS | 100    |

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

### **2. DEFINITIONS**

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

### 3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

#### 3.1. POINTS AWARDED FOR PRICE

##### 3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

|                                                           |           |                                                           |
|-----------------------------------------------------------|-----------|-----------------------------------------------------------|
| <b>80/20</b>                                              | <b>or</b> | <b>90/10</b>                                              |
| $Ps = 80 \left( 1 - \frac{Pt - P_{min}}{P_{min}} \right)$ | or        | $Ps = 90 \left( 1 - \frac{Pt - P_{min}}{P_{min}} \right)$ |

Where:

Ps = Points scored for price of tender under consideration  
 Pt = Price of tender under consideration  
 Pmin = Price of lowest acceptable tender

#### 3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

##### 3.2.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

|                                                           |           |                                                           |
|-----------------------------------------------------------|-----------|-----------------------------------------------------------|
| <b>80/20</b>                                              | <b>or</b> | <b>90/10</b>                                              |
| $Ps = 80 \left( 1 + \frac{Pt - P_{max}}{P_{max}} \right)$ | or        | $Ps = 90 \left( 1 + \frac{Pt - P_{max}}{P_{max}} \right)$ |

Where:

Ps = Points scored for price of tender under consideration  
 Pt = Price of tender under consideration  
 Pmax = Price of highest acceptable tender

### 4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1 In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender, the tenderer will be allocated points based on the goals stated in Table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2 In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

|            |           |           |          |           |           |
|------------|-----------|-----------|----------|-----------|-----------|
|            |           |           |          |           |           |
| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |

- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
- (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

**Table 1: Specific goals for the tender and points claimed are indicated per the table below.**

| Specific Goal                                                                                             |                                                         | Points (80/20) | Points (90/10) |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------|----------------|
| Ownership ≥50% by <b>Black persons</b>                                                                    |                                                         | 3              | 2              |
| Ownership ≥50% by <b>Women or Youth or People with a disability</b>                                       |                                                         | 2              | 1              |
| Located in a specific Local Area of Supply for work to be done:<br>Free State and Northern Cape Provinces |                                                         | 10             | 4              |
| <b>Promotion of BBBEE companies: The specific goals allocated points in terms of this tender</b>          |                                                         | <b>5</b>       | <b>3</b>       |
| BBBEE Level 1                                                                                             | <b>Sworn affidavits/<br/>CIPC/BBBEE<br/>certificate</b> | 5              | 3              |
| BBBEE Level 2                                                                                             |                                                         | 2              | 1              |
| BBBEE Level 3                                                                                             |                                                         | 0              | 0              |
| BBBEE Level 4+                                                                                            |                                                         | 0              | 0              |
| <b>TOTAL</b>                                                                                              |                                                         | <b>20</b>      | <b>10</b>      |

*(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.*

*Note to prospective Bidders: The Bidders must indicate how they claim points for each preference point system.)*

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## 5. DECLARATION WITH REGARD TO COMPANY/FIRM

5.1 Name of company/firm.....

5.2 Company registration number: .....

5.3 TYPE OF COMPANY/ FIRM

Partnership/Joint Venture / Consortium

One-person business/sole propriety

Close corporation

Public Company

Personal Liability Company

(Pty) Limited

Non-Profit Company

State Owned Company

[TICK APPLICABLE BOX]

5.4 I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have
  - (a) disqualify the person from the tendering process;
  - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
  - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
  - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
  - (e) forward the matter for criminal prosecution, if deemed necessary.

.....  
**SIGNATURE(S) OF TENDERER(S)**

**SURNAME AND NAME:** .....

**DATE:** .....

**ADDRESS:** .....

.....

.....

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



## FORM 2.1.1 RECORD OF ADDENDA TO BID DOCUMENTS

We confirm that the following communications received from the Procuring Department before the submission of this bid offer, amending the bid documents, have been taken into account in this bid offer:

|   | Date | Title or Details                                            |
|---|------|-------------------------------------------------------------|
| 1 |      | Confirmatory notes of compulsory site/clarification meeting |
| 2 |      |                                                             |
| 3 |      |                                                             |
| 4 |      |                                                             |
| 5 |      |                                                             |
| 6 |      |                                                             |
| 7 |      |                                                             |
| 8 |      |                                                             |
| 9 |      |                                                             |

Attach additional pages if more space is required.

.....

Signature of Authorized Person:

Date:

.....

Name: .....

Position: .....

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## FORM 2.1.2 CERTIFICATE OF ATTENDANCE AT CLARIFICATION MEETING

This is to certify that (Bidder)..... of  
 (address).....

..... was represented by the person(s) named  
 below at the compulsory meeting held for all tenderers at  
 (location).....on  
 (date)..... starting at (time) .....

*I / We acknowledge that the purpose of the meeting was to acquaint myself / ourselves with the Site of the Works and its surroundings and / or matters incidental to doing the work specified in the Tender Documents in order for me / us to take account of everything necessary when compiling our rates and prices included in the tender. I / We also acknowledge that I / we have examined the Site Data made available by the Employer (including borehole cores and related information).*

### Particulars of person(s) attending the meeting:

Name: ..... Signature: .....

Capacity: .....

Name: ..... Signature: .....

Capacity: .....

### Attendance of the above person(s) at the meeting is confirmed by the Employer's representative, namely:

Name: ..... Signature: .....

Capacity: ..... Date and Time: .....

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**FORM 2.1.3      REGISTRATION CERTIFICATE/AGREEMENT/POWERS OF ATTORNEY/ID DOCUMENT (IF APPLICABLE)**

Important note to Bidder: Registration Certificates for Companies, Close Corporation and Partnerships, or Agreements and Powers of Attorney for Joint Ventures, or ID Document for Sole Proprietor, all as referred to in the foregoing forms and in T2.2.6 must be inserted here.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## FORM 2.1.4 CERTIFICATE OF AUTHORITY OF SIGNATURE

Indicate the status of the Tenderer by ticking the appropriate box hereunder. The Bidder must complete the certificate set out below for the relevant category.

| (I)<br>COMPANY | (II)<br>CLOSE<br>CORPORATION | (III)<br>PARTNERSHIP | (IV)<br>SOLE<br>PROPRIETOR |
|----------------|------------------------------|----------------------|----------------------------|
|                |                              |                      |                            |

All signatories, **including sole proprietors**, shall confirm their authority by **attaching to this page of this tender** a duly signed and **dated original or certified copy** of the relevant resolution of their members or their board of directors, as the case may be

### (I) Certificate for Company

I, ....., chairperson of the Board of Directors of .....

....., hereby confirm that by resolution of the Board (copy attached) taken on ..... 20....., Mr/Ms ....., acting in the capacity of ..... was authorized to sign all documents in connection with the tender for **VCW380/PWLPLM/24** and any contract resulting from it on behalf of the company.

**Chairman:** .....

**As Witnesses:** 1.....

2.....

**Date:** .....

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**(II) Certificate for Close Corporation**

We, the undersigned, being the key members in the business trading as .....

..... hereby authorize Mr/Ms ..... , acting in the capacity of

....., to sign all documents in connection with the

tender for Tender **CONTRACT VCW380/PWLPLM/24** and any contract resulting from it on our behalf.

| NAME | ADDRESS | SIGNATURE | DATE |
|------|---------|-----------|------|
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |

***Note: This certificate is to be completed and signed by all key members upon whom rests the direction of the affairs of the Close Corporation as a whole.***

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**(III) Certificate for Partnership**

We, the undersigned, being the key partners in the business trading as, .....

....., hereby authorize Mr/Ms ..... ,  
acting in the capacity of ..... , to sign all documents in connection

with the tender for Tender **CONTRACT VCW380/PWLPLM/24** and any contract resulting from it on our behalf.

| NAME | ADDRESS | SIGNATURE | DATE |
|------|---------|-----------|------|
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |

**Note: This certificate is to be completed and signed by all key partners upon who rests the direction of the affairs of the partnership as a whole.**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

(IV) **Certificate for Sole Proprietor**

I, ....., hereby confirm that I am the sole owner of the Business  
trading as .....

**Signature** of sole owner: ..... **Date:** ..... **As**

Witnesses:

1..... **Date:** .....

2. .... **Date:** .....

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## **FORM 2.1.5 TAX COMPLIANCE STATUS (TCS) VERIFICATION**

***Tax Compliance Status (TCS) PIN obtained from SARS to be inserted here.***

### **IMPORTANT NOTES:**

#### **Tax Compliance Status Verification Requirement:**

As per the **Preferential Procurement Regulations 2017** under the **Preferential Procurement Policy Framework Act No. 5 of 2000**, all bidders must provide proof of a valid Tax Compliance Status (TCS) from the **South African Revenue Service (SARS)**. No contract will be awarded to a person or entity that has not submitted a valid TCS PIN confirming they are tax compliant or made satisfactory arrangements with SARS regarding any outstanding tax obligations.

#### **Completion of TCS Verification:**

The Tax Compliance Status (TCS) verification must be completed **by the tenderer** on the **SARS eFiling system** where they are registered for income tax purposes. SARS will issue a **Tax Compliance Status PIN**, valid for 6 months from the date of issue, which the tenderer must submit with the tender documents **before the tender closing date**.

#### **Joint Ventures/Consortium/Subcontractors:**

Each party involved in a **Consortium, Joint Venture, or as a Subcontractor** must obtain and submit an individual TCS PIN for verification purposes.

#### **Foreign Bidders:**

- For **foreign bidders** who do not have tax obligations in South Africa, the **SBD 1 form** must be completed and submitted to **SARS** for verification of tax obligations.
- Upon submission, SARS will issue a **Confirmation of Tax Obligations** letter, which must be included in the bid submission.

#### **Verification Process:**

The TCS PIN provided will be verified by designated officials via the SARS eFiling system or the Central Supplier Database (CSD). The verification results should be attached to the bidder's records for audit purposes.

- If the Bidder is non-compliant, they will be notified in writing and allowed 7 working days to rectify their status with SARS. Proof of rectified compliance must then be submitted for re-verification.
- Failure to rectify a non-compliant status within the specified time frame will result in disqualification.

#### **Failure to Submit Valid TCS PIN:**

If the bidder does not submit a valid TCS PIN or evidence of tax compliance status within the stipulated time, the tender will be considered invalid and disqualified.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



## **FORM 2.1.6 CERTIFIED COPY OF LATEST UIF RETURN**

The Bidder must attach hereto a copy of the latest Unemployment Insurance Fund return.

### **Unemployment Insurance Contributions Act, No. 4 of 2002**

#### **CHAPTER 2**

#### ***Duty to contribute and recovery of contributions***

#### **5. Duty to contribute to Fund**

- 1) Every employer and every employee to whom this Act applies must, on a monthly basis, contribute to the Unemployment Insurance Fund.
- 2) The contributions must be paid by the employer either to the Commissioner in terms of section 8 or to the Unemployment Insurance Commissioner in terms of section 9, whichever is applicable to the particular employer.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**FORM 2.1.7 CERTIFIED COPY LATEST MUNICIPAL RATES AND TAXES CLEARANCE**  
**CERTIFICATE OR COPY OF VALID LEASE AGREEMENT (IF RENTING)**

**The Bidder must attach the following:**

- a) The municipal rates and taxes statement, which is in the name of the company, not older than three (3) months; or
- b) The Clearance Certificate issued by the bidding companies' local municipality, which is in the name of the company, not older than three (3) months; or
- c) An official letter which is in the name of the company from the local tribal authority, not older than three (3) months; or
- d) A valid signed lease agreement which is in the name of the company, that clearly shows the business address (not expired at closing date), accompanied by tax invoice/statement of account/municipal rates & taxes statement from the estate agent / landlord not older than three (3) months); or
- e) If the municipal rates and taxes statement is in the Landlord's or Director's name an affidavit certified by the commissioner of oaths must be attached indicating that the company/enterprise is operating from the stated address, accompanied by their municipal rates and taxes statement (not older than three (3) months).
- f) No contract shall be concluded with any bidder whose municipal rates and taxes and municipal services charges are in arrears.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## **FORM 2.1.8 CERTIFIED PROOF OF EXPENDITURE FOR SKILLS DEVELOPMENT**

The Bidder must attach hereto proof of expenditure on skills development as required.

### **SKILLS DEVELOPMENT LEVIES ACT 1, 1999**

Imposition of levy:

Every Employer must pay a skills development levy

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**FORM 2.1.9 CERTIFIED COPY OF LETTER OF GOOD STANDING WITH  
COMPENSATION COMMISSIONER OR WITH A LICENSED COMPENSATION INSURER**

The Bidder must attach hereto a certified copy of the Letter of good standing with the Compensation Commissioner or with a licensed compensation insurer.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**FORM 2.1.10 CERTIFIED CERTIFICATE OF TENDERER'S B-BBEE STATUS LEVEL OF CONTRIBUTOR IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022 AND CODES OF GOOD PRACTICE ON B-BBEE, NON-GOVERNMENTAL ORGANIZATION NOTICE 931 OF 2017**

- 1) Bidders are required to submit original and valid B-BBEE Status Level Verification Certificates or certified copies thereof together with their bids, to substantiate their B-BBEE rating claims.
- 2) Bidders who do not submit B-BBEE Status Level Verification Certificates, are non-compliant contributors to B-BBEE and do not qualify for preference points for BBBEE but should not be disqualified from the bidding process. They will score points out of 90 or 80 for price only and zero (0) points out of 10 or 20 for Specific Goals.
- 3) A trust, consortium or joint venture must submit a consolidated B-BBEE Status Level Verification Certificate for every separate bid.
- 4) Public entities and tertiary institutions must also submit B-BBEE Status Level Verification Certificates together with their bids.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**FORM 2.1.11 CERTIFIED COPY OF LETTER OF INTENT TO PROVIDE A PERFORMANCE GUARANTEE**

The Bidder must attach hereto a letter from the bank or institution with whom he has made the necessary arrangements, to the effect that the said bank or institution will be prepared to provide the required performance guarantee when asked to do so.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**FORM 2.1.12    CERTIFIED COPY OF CIDB REGISTRATION CERTIFICATE**

The Bidder must attach hereto a certified copy of their company’s certificate of registration with the Construction Industry Development Board. For Trusts, Consortiums or Joint Ventures, certified copies will be required for each company that forms part of the entity.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## **FORM 2.1.13 PROPOSED PROGRAMME OF WORKS**

The Bidder must attach hereto a proposed Program of Works illustrating their understanding of the Works. This representation should show the phases of the tasks, including all sub-tasks, and the lead times for procurement and resource allocation. The Program must be presented in a Gantt chart format (MS Project) that illustrates the estimated dates for reaching critical milestones and indicates the critical path.

Procurement of and manufacturing lead times to be indicated on the Program.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



## **FORM 2.1.14    PROOF OF QUALITY MANAGEMENT SYSTEM**

The Bidder must attach hereto their ISO 9001 Certification or proof of an in-house Quality Management System (QMS). The QMS must include proof of a Document Control System and proof of a Non-conformity Management System and should also include a sample or template of their Quality Control Plan and appointment of a Quality Representative.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

CONTRACT NO.

VCW380/PWLPLM/24

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

### SECTION T2.2

#### **OTHER DOCUMENTS REQUIRED FOR BID EVALUATION PURPOSES**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

OTHER DOCUMENTS REQUIRED FOR BID EVALUATION PURPOSES

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Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

T2.2.1 ALTERATIONS BY TENDERER

Should the Bidder desire to make any departures from or modifications to the General or Special Conditions of Contract, the Specifications, the Schedule of Quantities or the Drawings, or to qualify his tender in any way, he shall set out his proposals clearly hereunder or alternatively state them in a covering letter attached to his tender and referred to hereunder, failing which the tender will be deemed to be unqualified.

| Page | Clause or Item |
|------|----------------|
|      |                |

Signature of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Witness 1

\_\_\_\_\_  
Witness 2

\_\_\_\_\_  
Employer

\_\_\_\_\_  
Witness 1

\_\_\_\_\_  
Witness 2

## T2.2.2 WORKS PREVIOUSLY EXECUTED

The following is a statement of major works successfully executed by myself/ourselves in recent years:

| Employer | Contractor | Nature of Works | Trenchless Methods*<br>in Scope<br>(specify, if any) | Value of Works | Duration and<br>Completion Date |
|----------|------------|-----------------|------------------------------------------------------|----------------|---------------------------------|
|          |            |                 |                                                      |                |                                 |
|          |            |                 |                                                      |                |                                 |
|          |            |                 |                                                      |                |                                 |
|          |            |                 |                                                      |                |                                 |
|          |            |                 |                                                      |                |                                 |
|          |            |                 |                                                      |                |                                 |
|          |            |                 |                                                      |                |                                 |

\* Trenchless methods = pipe bursting (pipe cracking), horizontal directional drilling, sliplining or cured-in-place pipe lining

Note: Failure to detail the required information, shall signify that the tender is submitted by an inexperienced Bidder.

Signature of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

State firm, contact person and telephone number: \_\_\_\_\_

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### T2.2.3 PRESENT COMMITMENTS

| Employer | Contractor * | Nature of Works | Value of Works | Duration and Completion Date |
|----------|--------------|-----------------|----------------|------------------------------|
|          |              |                 |                |                              |
|          |              |                 |                |                              |
|          |              |                 |                |                              |
|          |              |                 |                |                              |
|          |              |                 |                |                              |

Signature of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

State firm, contact person and telephone number: \_\_\_\_\_

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## T2.2.4 SUPERVISORY AND SAFETY PERSONNEL

PREVIOUS EXPERIENCE WITH WORKS OF A SIMILAR NATURE DURING THE LAST TEN YEARS

| Name                                   | % Time on Site | Position (Current) | Service (Years) | Name of Project And year executed | Value of Works | Trenchless Methods in Scope | Position Occupied |
|----------------------------------------|----------------|--------------------|-----------------|-----------------------------------|----------------|-----------------------------|-------------------|
| Contracts Manager                      |                |                    |                 |                                   |                |                             |                   |
| Construction Manager (Site Agent)      |                |                    |                 |                                   |                |                             |                   |
| Contractor's Foremen                   |                |                    |                 |                                   |                |                             |                   |
| Construction Health and Safety Officer |                |                    |                 |                                   |                |                             |                   |

Bidders shall indicate the percentage of working time these persons will be engaged on site. Bidder are also required to submit copies of curriculum vitae and certified qualification certificates of all supervisory and safety personnel that they wish to employ on the project.

Signature of Bidder:\_\_\_\_\_

Date:\_\_\_\_\_

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## T2.2.5 LABOUR UTILISATION

### Labour Categories - Definitions

NOTE: These definitions serve as a guideline to complete the following table and will in no respect alter the Project Specifications or Standardized Specifications:

#### 1. General Foreman / Foreman

An employee who gives out work to and directly co-ordinates and supervises employees. His duties encompass any one or more of the following activities:

- a) Supervision;
- b) maintaining discipline;
- c) ensuring safety in the workplace;
- d) being responsible to the Contractor for efficiency and production for his portion of the works; and
- e) performing skilled work, whether in an instructional capacity or otherwise.

#### 2. Charge hand

An employee engaged in any one or more of the following activities:

- a) Being primarily employed in a supervisory capacity, but who may also be doing the work of an artisan;
- b) giving out work to other employees under his control and supervision;
- c) ensuring safety in the workplace;
- d) maintaining discipline; and
- e) being directly responsible to a general foreman or foreman or the Contractor or the Contractor's representative for efficiency and production for his portion of the works.

#### 3. Artisan

An employee who has successfully completed all prescribed courses at a practical institutional training centre for a particular trade and who has successfully completed the on-site period of training as prescribed and who has successfully passed the prescribed trade tests.

#### 4. Team Leader

An employee engaged in any one or more of the following activities:

- a) Being employed in a supervisory capacity, but who may also be doing the work of a skilled person;
- b) giving out work to other employees under his control and supervision;
- c) maintaining discipline;

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



- d) being directly responsible to a Charge hand or a foreman or a general foreman or the employer's authorized representative for efficiency and production for his portion of the works.

**5. Skilled Employee**

An employee engaged in an ancillary trade or an assistant artisan.

**6. Semi-Skilled Employee**

An employee with any specified skills, an apprentice or a trainee-artisan.

**7. Unskilled Employee**

An employee engaged in any task or operation not specified above.

**8. Imported Employee**

Personnel permanently employed by Contractor.

**9. Local Employee**

Temporary workforce employed through Labour Desk.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### MAN DAYS

| Categories |                                    | No. of Man Days |       |
|------------|------------------------------------|-----------------|-------|
|            |                                    | Imported        | Local |
| 1.         | Contracts Manager                  |                 |       |
| 2.         | Construction Manager               |                 |       |
| 3.         | Foreman/Supervisors (specify type) |                 |       |
| 3.1        | -----                              |                 |       |
| 3.2        | -----                              |                 |       |
| 3.3        | -----                              |                 |       |
| 4.         | Safety Inspectors (specify type)   |                 |       |
| 4.1        | -----                              |                 |       |
| 4.2        | -----                              |                 |       |
| 5.         | Charge hands                       |                 |       |
| 6.         | Artisans                           |                 |       |
| 7.         | Operators/Drivers                  |                 |       |
| 8.         | Clerks/Storeman                    |                 |       |
| 9.         | Team Leader                        |                 |       |
| 10.        | Skilled Labour                     |                 |       |
| 11.        | Semi-skilled Labour                |                 |       |
| 12.        | Unskilled Labour                   |                 |       |

Signature of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### T2.2.6 COMPLIANCE WITH OHSA (ACT 85 OF 1993)

Bidders are required to satisfy the Employer and the Employer's Agent as to their ability and available resources to comply with the above by answering the following questions and providing the relevant information required below.

1. Is the Contractor familiar with the OHSA (ACT 85 OF 1993) and its Regulations? YES / NO
2. Who will prepare the Contractors Health and Safety Plan? (Provide a copy of the person/s curriculum vitae/s or company profile).  
\_\_\_\_\_
3. Does the Contractor have a health and safety policy? (If yes, provide a copy). How is this policy communicated to all employees? YES / NO  
\_\_\_\_\_
4. Does the Contractor keep records of safety aspects of each construction site? If yes, what records are kept? YES / NO  
\_\_\_\_\_
5. Does the Contractor conduct monthly safety meetings? If yes, who is the chairperson of the meeting, and who attends these meetings? YES / NO  
\_\_\_\_\_
6. Does the Contractor have a safety officer in his employment, responsible for the overall safety of his company? YES / NO  
If yes, please explain his duties and provide a copy of his CV.  
\_\_\_\_\_  
\_\_\_\_\_
7. Does the Contractor have trained first aid employees? If yes, indicate who. YES / NO  
\_\_\_\_\_
8. Does the Contractor have a safety induction training programme in place? YES / NO  
(If yes, provide a copy).

Signature of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### T2.2.7 PLANT AND EQUIPMENT

1. Major Plant and Equipment immediately available for this Contract:

| Quantity | Size, Description, Capacity, etc. |
|----------|-----------------------------------|
|          |                                   |

2. Major Plant and Equipment that will be acquired for this contract if my/our tender is accepted:

| Quantity | Size, Description, Capacity, etc. |
|----------|-----------------------------------|
|          |                                   |

Signature of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## T2.2.8 SUB-CONTRACTORS

The Bidder shall list below any subcontractors he intends to employ to carry out part(s) of the Works.

The Bidder must contribute significantly to Local Economic Participation (LEP), which will include subcontracting a value of the contract to an EME or QSE/s that is a minimum 51% black owned. The total percentage of the contract value that is subcontracted will be determined during the construction stage, but the target for LEP will be a minimum of 30% (thirty percent).

Bidders must utilise the National Treasury's Central Supplier Database (CSD) for the identification of potential subcontractors from the pool of EMEs or QSEs to advance designated groups.

The responsibility to subcontract with competent and capable sub-contractors rests with the main contractor/supplier.

As far as possible, the bidder must consider subcontractors from the area/s where the project will be taking place.

Where CIDB-related works are subcontracted, each Subcontractor must also be registered with the appropriate CIDB grading in accordance with the value of the work to be undertaken by that Subcontractor.

The following evidence will be required during the construction phase:

- a) A signed subcontracting agreement stipulating the percentage to be subcontracted.
- b) CSD report/s for subcontractor/s.
- c) CIDB Registration for subcontractor/s where CIDB related works are subcontracted, each subcontractor must also be registered with the appropriate CIDB grading in accordance with the value of work to be undertaken by that subcontractor or are capable of being so prior to the evaluation of submission, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the CIDB grading of this bid, in accordance with CIDB prescripts. Where the CIDB requirement for sub-contracted work is not met, this test for responsiveness has not been met.
- d) Proof of B-BBEE status for subcontractor/s.

The acceptance of this tender shall not be construed as being approval of all or any of the listed subcontractors. Should any or all of the subcontractors be not approved subsequent to the acceptance of the tender, it shall in no way invalidate this tender, and the tendered unit rates for the various items of work shall remain final and binding in the event of a subcontractor not listed below being approved by the Employer.

| Name and Address of Proposed Subcontractor | Nature and Extent of Work to be Subcontracted | Amount to be Subcontracted | Previous Experience with Subcontractor |
|--------------------------------------------|-----------------------------------------------|----------------------------|----------------------------------------|
|                                            |                                               |                            |                                        |
|                                            |                                               |                            |                                        |
|                                            |                                               |                            |                                        |
|                                            |                                               |                            |                                        |

Signature of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## T2.2.9 SITE INSPECTION CERTIFICATE

As required by Clause 2.7 of the Tender Data, I/we certify that I/we have visited the site of the Works and attended the compulsory site visit and clarification meeting on the date certified below.

I/we further certify that I am / we are satisfied with the description of the Work and the explanations given by the Employer's Agent at the site visit and clarification meeting.

\_\_\_\_\_  
Signature of Bidder

\_\_\_\_\_  
Date

### Site Visit

This will certify that \_\_\_\_\_

representing \_\_\_\_\_

attended a Site Inspection for this Contract on \_\_\_\_\_ 20 \_\_\_\_\_

\_\_\_\_\_  
(signed)  
For the Employer's Agent

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## T2.2.10 PROSPECTIVE TENDERER'S REGISTRATION FORM / CHANGE OF REGISTRATION FORM

The Bidder, Subcontractors or Joining Entities listed in Table 1 of Schedule No. 7 must complete this form despite the fact that they must register as a Registered Tenderer separately.

All Bidders (Main Contractor, Subcontractors or Joining Entities) that wishes to submit a tender, or a Registered Bidder who's registration information has changed in the meantime, must complete this form and submit it to the Employer not later than 7 days before the closing of the relevant tender.

**\* Complete in full (indicate N/A where not available or applicable) and indicate if the information is submitted for the first time (F), it is unchanged (U) or has changed (C) since the previous submission.**

- ✓ Name of Business (or person, in case of goods/services provided by a person):  
 ..... ( )\*
- ✓ Official physical address of business, e-mail, telephone and fax numbers:
  - Address: ..... ( )\*
  - E-mail: ..... ( )\*
  - Telephone: ..... ( )\*
  - Fax: ..... ( )\*
- ✓ Electricity account no. if a local business: ..... ( )\*
- ✓ Type of business (Company, cc, etc): ..... ( )\*
- ✓ Main business activity (Stationary Dealer, Building Contractor, etc):  
 ..... ( )\*
- ✓ Estimated annual turnover (to remain confidential): R..... ( )\*
- ✓ Full name of controlling shareholder if not a one-man business (to remain confidential):  
 ..... ( )\*

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

Equity held by HDI's in the above-mentioned business:

| Full Name | ID No | Race | Sex | Age | Disability Status | Personal Tax No | Equity Ownership % |
|-----------|-------|------|-----|-----|-------------------|-----------------|--------------------|
|           |       |      |     |     |                   |                 |                    |
|           |       |      |     |     |                   |                 |                    |
|           |       |      |     |     |                   |                 |                    |
|           |       |      |     |     |                   |                 |                    |

I, the owner/manager of the above-mentioned business declare that the above-mentioned information is complete and correct, and that I am fully aware of the penalty that will apply if the tenders are allocated to the above-mentioned business on its own or as a joining entity, based on wrong information submitted above.

Signature of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Witness 1

\_\_\_\_\_  
Witness 2

\_\_\_\_\_  
Employer

\_\_\_\_\_  
Witness 1

\_\_\_\_\_  
Witness 2



## T2.2.11 PREFERENTIAL PROCUREMENT

### 1. Specific Goals

Specific goals for the tender and points claimed are indicated in the table below:

*(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.)*

*Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)*

| B-BBEE Level | 80 (PPS) | 90 (PPS) |
|--------------|----------|----------|
| 1            | 20       | 10       |
| 2            | 18       | 9        |
| 3            | 14       | 6        |
| 4            | 12       | 5        |
| 5            | 8        | 4        |
| 6            | 6        | 3        |
| 7            | 4        | 2        |
| 8            | 2        | 1        |
| NC           | 0        | 0        |

Thus, Preference points claimed according to the table above = .....

Signature of Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

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MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
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MUNICIPALITY IN PHUTHADITJABA

### PART C3

### SCOPE OF WORK

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

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PART C3: SCOPE OF WORK

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Contractor

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## VAAL CENTRAL WATER

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### SECTION C3.1

#### DESCRIPTION OF THE WORKS

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

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## MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

### SECTION C3.1

#### DESCRIPTION OF THE WORKS

##### **C3.1.1 Employer's Objectives**

The Employer's objective is to implement practical and sustainable interventions for the repair of identified leaks and related defects in the potable water network of the Maluti-a-Phofung Local Municipality, in order to improve the serviceability, reliability and overall performance of the system.

A further objective of the Employer is to promote local economic development through this Contract. The Contractor will therefore be expected, as far as reasonably practicable, to employ local labour and procure plant, materials and services from local enterprises. The Contractor's attention is drawn to Section T2.3.18 (Form R) – Local Economic Participation (LEP) Specification, which sets out the relevant requirements in more detail.

The Employer also intends to create temporary employment opportunities within the Maluti-a-Phofung Local Municipality through the use of labour-intensive construction methods for suitable items of work. The Contractor/s shall provide the necessary records and supporting documentation to demonstrate compliance with these requirements. Items in the Bill of Quantities to be executed by labour-intensive methods are clearly marked "LI".

The description of the project contained in the Scope of Work is intended to define the nature and extent of the Contract, but it shall not be construed as limiting the obligations of the Contractor under the Contract. Details of major work items are described in this section, while estimated quantities for tender purposes are included in the Bill of Quantities.

##### **C3.1.2 Scope of the Works**

The Project Specifications form an integral part of the Contract Documents and shall be read together with the Standard Specifications. The Standard Specifications apply generally to infrastructure works and may therefore include items not specifically applicable to this Contract.

The description of the Works contained in this section is intended as an outline of the Scope of Work and shall not limit the work to be carried out under the Contract. Approximate quantities for the various activities are included in the Bill of Quantities for tender and comparison purposes.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

The principal construction activities under this Contract are directed at the repair of leaks and associated defects on the potable water network infrastructure within the Maluti-a-Phofung Local Municipality.

Site inspections were undertaken together with representatives of the Maluti-a-Phofung Local Municipality, during which a number of problem areas within the reticulation network were identified. These defects are distributed across various residential and service areas within the Municipality.

### Nature of the Works

The Works comprise potable water loss reduction interventions and may include, but are not limited to, the following:

- confirmation and pin-pointing of suspected leaks;
- excavation and repair of leaks;
- replacement of failed or damaged sections of pipeline;
- reconnection of existing house connections;
- supply and installation of pipes, fittings and specials of varying diameters and materials;
- removal and lawful disposal of redundant or damaged pipes and fittings, including pipes that may contain asbestos;
- repair, replacement or refurbishment of valves, hydrants, air valves, pressure reducing valves, meters and related appurtenances;
- repair, replacement or refurbishment of valve chambers, meter chambers and similar structures;
- reservoir and chamber leak sealing, waterproofing and associated remedial works;
- installation of bulk meters, zone meters and logger points where instructed;
- trench excavation for pipelines and structures, including work in excavations up to 2 m deep or deeper where required;
- dealing with groundwater and keeping excavations dry where necessary;
- pipe bedding, selected backfilling and final backfilling;
- minor concrete, reinforcement, formwork, grout and related structural repair work associated with appurtenant structures;
- crossings of rivers, streams, roads and other existing services;
- accommodation, protection, temporary removal and reinstatement of existing services, roads, paving, channels, fences and other affected infrastructure;
- accommodation of traffic and pedestrian access;
- flushing, disinfection, hydraulic testing, pressure testing, commissioning and recommissioning of pipelines and associated works;
- temporary bypass arrangements and temporary water supply measures where shutdowns are required;
- obtaining wayleaves, permits and approvals required for access to work areas where applicable; and
- recording and submission of repair, testing and asset information, including GIS or repair register information, after completion of each intervention.

The scope includes, but is not limited to, the following broad categories of work:

- establishment of the Contractor on Site and at work areas;
- site clearance and preparation;
- labour-intensive construction methods where applicable;
- trenching, excavation and disposal;
- potable water pipe repairs and replacements by open trench methods;
- house connection reinstatement;
- meter, valve and chamber works;
- reservoir and chamber sealing or remedial works;
- crossings, reinstatements and making good;
- testing, commissioning and close-out information.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### C3.1.3 Work Assignment Basis

The Employer may appoint up to four Contractors under this Contract. Appointment to the panel shall not guarantee any minimum quantity or value of work to any Contractor.

Work shall be instructed from time to time by the Employer or the Employer's Agent by means of written Work Assignments. Each Work Assignment shall identify, as applicable, the location, priority, scope, estimated quantities, required commencement date, completion period, shutdown requirements and any special constraints relevant to that portion of the Works.

The Contractor shall execute the work in accordance with each written Work Assignment and the Contract Documents.

No Contractor shall have any claim arising solely from the fact that the nature, quantity, location, timing or value of the work instructed differs from that anticipated at tender stage, or from the fact that no work, less work or later work is instructed.

Payment shall be based on the actual measured work executed in terms of instructed Work Assignments and valued at the tendered rates and prices, unless otherwise provided in the Contract.

Contractor

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Employer

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### SECTION C3.2

### STANDARD SPECIFICATIONS

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SECTION C3.2

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C3.2.2 VARIATIONS AND ADDITIONS TO THE STANDARD AND PARTICULAR SPECIFICATIONS C3.2-4

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### SECTION C3.2.1

## STANDARD SPECIFICATIONS

### C3.2.1 STANDARD SPECIFICATIONS

#### **APPLICABLE STANDARDIZED SPECIFICATIONS**

1. The Standard Specifications on which this contract is based are the latest revisions of the South African Bureau of Standard's Standardized Specifications for Civil Employer's Agenting Construction (SABS 1200) and the necessary amendments to the Standard Specifications have been made and included in the Project Specifications contained in this document. Note: "SABS has been changed to "SANS".
2. The terms "Schedule of Quantities", (used throughout the Standard Specifications) and "Bill of Quantities", (used in all other documents forming part of this contract), are synonymous.
3. Although not bound in nor issued with this Document, the relevant sections of the standard specifications shall form part of this Contract. These documents are available at the Contractor's expense from the SA Bureau of Standards, Private Bag X191, PRETORIA, 0001.
4. All relevant SABS 1200 Standardised Specifications for this Contract shall be applicable.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

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### SECTION C3.2.2

#### VARIATIONS AND ADDITIONS TO THE STANDARDISED SPECIFICATIONS

##### **C3.2.2 VARIATIONS AND ADDITIONS TO THE STANDARD AND PARTICULAR SPECIFICATIONS**

The Clauses under this section are numbered “PS” and refer to the clauses in the Standard or Particular Specifications. New clauses not covered by clauses in the Standard or Particular Specifications, if included here, are also designated “PS” followed by a number.

All material used in the Works shall, where such mark has been awarded for a specific type of material, bear the SABS/SANS mark. Alternatively, the Contractor shall furnish the Employer’s Agent with certificates of compliance of materials, which bear the official mark of the appropriate standard.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**PSA GENERAL**

**PSA 1 SCOPE**

*REPLACE THE CONTENTS OF SUBCLAUSE 1.1, INCLUDING THE NOTES, WITH THE FOLLOWING*

"1.1 This specification covers requirements, principles and responsibilities of a general nature which are generally applicable to Civil Engineering construction and building works contracts, as well as the requirements for the Contractor's establishment on the Site."

**PSA 2 INTERPRETATIONS**

**PSA 2.3 DEFINITIONS**

*IN THE OPENING PHRASE, INSERT THE WORDS: "the definitions given in the Conditions of Contract and" BETWEEN THE WORDS "specification" AND "the following".*

a) General

*ADD THE FOLLOWING DEFINITIONS:*

"General Conditions" and "Conditions of Contract": The General Conditions of Contract specified for use with this Contract, together with the Special Conditions of Contract as applicable".

"Specified": As specified in the Standardized Specifications, the Drawings or the Project Specifications. "Specifications" shall have the corresponding meaning'.

"Regional Base": The Contractor's principal office, yard, stores, ablutions, communications and supervision establishment serving the Contract Area as a whole.

"Work Front": A geographically separate town, zone, sector, settlement or cluster of sites which, in the opinion of the Employer's Agent, reasonably requires a separate temporary operating base in addition to the Regional Base.

"Work Assignment": A written instruction issued by the Employer or the Employer's Agent identifying a portion of the Works to be executed. A Work Assignment shall not in itself constitute a basis for payment of additional establishment or re-establishment items unless it creates or requires a separate Work Front.

"Contract Area": The full geographical area within which the Works may be instructed under the Contract.

b) Measurement and Payment

*REPLACE THE DEFINITIONS FOR "Fixed charge", "Time-related charge" AND "Value-related charge" WITH THE FOLLOWING:*

"Fixed charge": A charge that is not subject to adjustment on account of variations in the value of the Contract Price or the time allowed in the Contract for the completion of the work.

"Time-related charge": A charge, the amount of which varies in accordance with the Time for Completion of the Works, adjusted in accordance with the provisions of the Contract.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

'Value-related charge': A charge, the amount of which varies pro rata with the final value of the measured work executed and valued in accordance with the provisions of the Contract.

*ADD THE FOLLOWING SUBCLAUSE TO CLAUSE 2.3:*

**PSA 2.3.1 DELAY DUE TO SUPPLY OF MATERIALS AND ORDERING**

The Contractor shall ensure that the work is not delayed, due to the lack of materials on the site of the works, by placing orders with suppliers for the materials required under his contract as soon as possible after the acceptance of this tender.

The Contractor shall, by producing copies of written orders or written enquiries for supplies, prove to the satisfaction of the Employer's Agent that any delay occasioned by the non-availability of materials has been caused by the ability of suppliers to supply and not by his own lack of timely ordering or lack of exhaustive enquiry for supplies before any extensions of the contract time will be allowed due to such delays.

The quantities set out in the Schedule of Quantities have been clearly determined calculations based on data available at the time and should therefore be considered to be approximate quantities only. Before ordering materials of any kind the Contractor shall check with the Employer's Agent whether or not the scope of the work for which the materials are required is likely to change substantially. No liability or responsibility whatsoever shall be attached to the Employer for materials ordered by the Contractor except when ordered in accordance with written confirmation issued by the Employer's Agent.

**PSA 2.4 ABBREVIATIONS**

a) Abbreviations relating to standard documents

*ADD THE FOLLOWING ABBREVIATION:*

"CKS: SABS Co-ordinating Specification."

**PSA 3 MATERIALS**

**PSA 3.1 QUALITY OF MATERIALS**

*ADD THE FOLLOWING AT THE END OF SUBCLAUSE 3.1:*

"All materials are to be the best of their respective kinds, new, undamaged, sound and free from defects and shall comply with the relevant clauses of the Specification.

All references to Standard Specifications are to be the latest amendment to such specifications.

Materials bearing the SANS or BS mark will not be subjected to tests to determine whether they comply with the relevant specifications. The Employer's Agent may in his discretion require any material not bearing such mark to be tested in accordance with the relevant specifications; should he do so the Contractor shall arrange for such tests to be carried out to the Contractor's cost by the South African Bureau of Standards or other approved body.

Whether or not the material bears the mark or is tested, any material found not to be in accordance with the specification shall be rejected and replaced by the Contractor at his own cost.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

Tenderers may be required, at their own expense to submit samples of the material offered to the Employer's Agent for his approval and the material supplied under his contract shall be of a standard equal to that of the samples so submitted and approved. Samples will remain the property of the Tenderers, who shall remove them when called upon to do so by the Employer's Agent."

*ADD THE FOLLOWING SUBCLAUSE TO CLAUSE 3:*

**PSA 3.3 ORDERING OF MATERIALS**

The quantities set out in the Schedule of Quantities have been carefully determined from calculations based on data available at the time of its compilation but are to be considered as approximate quantities only. Before ordering materials of any kind, the Contractor shall be solely responsible for determining, from the drawings issued or approved by the Employer's Agent for construction purposes, the actual quantities of materials required for the execution of the Works. No liability or responsibility whatsoever shall be attached to the Employer or the Employer's Agent in respect of materials ordered by the Contractor except when ordered in accordance with the drawings issued or approved by the Employer's Agent for construction purposes.

**PSA 3.4 ORDERING OF MATERIALS – UNKNOWN QUANTITIES**

In accordance with the intent of SANS 1200 A, Clause 3.3, where the extent of repairs to leaking water pipelines cannot be determined before excavation, the Contractor shall only order or procure repair materials after the defective pipe section has been exposed and the Engineer or Employer's Representative has confirmed the type and extent of repairs required. Materials shall comply with the relevant SANS specifications and only the actual quantities incorporated into the Works, together with approved wastage where applicable, shall be measured and paid for. No claim for unused or surplus materials ordered without prior approval will be considered

**PSA 4 PLANT**

**PSA 4.1 SILENCING OF PLANT**

*REPLACE THE CONTENTS OF SUBCLAUSE 4.1 WITH THE FOLLOWING:*

"The Contractor's attention is drawn to the applicable regulations pertaining to noise and hearing conservation, framed under the Occupational Health and Safety Act (Act No. 85 of 1993) as amended."

The Contractor shall at all times and at its own cost, be responsible for implementing all necessary steps to ensure full compliance with such regulations, including but not restricted to the provision and use of suitable and effective silencing devices for pneumatic tools and other Plant which would otherwise cause a noise level in excess of that specified in the said regulations.

"Where appropriate, the Contractor shall further, by means of temporary barriers, effectively isolate the source of such noise in order to comply with the said regulations."

**PSA 4.2 CONTRACTOR'S OFFICES, STORES AND SERVICES**

*ADD THE FOLLOWING PARAGRAPH BEFORE THE EXISTING FIRST PARAGRAPH IN SUBCLAUSE 4.2:*

"The Contractor's buildings, sheds and other facilities erected or utilized on the Site for the purposes of the

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

Contract shall be fenced off and shall contain all offices, stores, workshops, testing laboratories, toilet facilities, etc. as may be required by the Contractor. The facilities shall always be kept in a neat and orderly condition.

"A night-watchman may be on the Site after hours."

*DELETE "and first-aid services" IN THE SECOND PARAGRAPH OF SUBCLAUSE 4.2 AND ADD THE FOLLOWING:*

"The Contractor shall provide on the Site and in close proximity to the actual locations where the work is being executed, one toilet per 10 workmen, which toilets shall be effectively screened from public view and their use enforced. Such toilets shall be relocated from time to time as the location of the work being executed changes, so as to ensure that easy access to the toilets is maintained."

"The Contractor shall, where applicable, make all necessary arrangements and pay for the removal of night soil."

*ADD THE FOLLOWING AT THE END OF SUBCLAUSE PSA 4.2:*

"For the purposes of this Contract, the offices, stores, workshops, ablutions, communications and related facilities provided in terms of this clause shall constitute the Contractor's facilities for the Regional Base, unless otherwise specified.

Where the Employer's Agent instructs the Contractor in writing to establish at a geographically separate Work Front, any additional temporary facilities required therefor shall be limited to those reasonably necessary for the execution of the Works at that Work Front and shall be measured and paid only under the relevant scheduled items provided for that purpose.

No separate payment shall be made for the duplication of facilities or movement of resources which the Contractor elects to undertake for its own convenience."

*ADD THE FOLLOWING SUBCLAUSE TO CLAUSE 4:*

#### **PSA 4.3 CONSTRUCTION PLANT**

Construction plant, where the use thereof is permitted, shall be of a suitable type for carrying out the work for which it is required. Its capacity shall be sufficient to meet the requirements of the work within the contract time. It shall be kept at all times in full working order and repair.

#### **PSA 4.4 LABOUR INTENSIVE CONSTRUCTION METHODS**

Except where the use of the plant is essential to meet the specified requirements by the Due Completion Date, the Contractor shall use only hand tools and equipment in the construction of those portion(s) of the Works that are required in terms of the Scope of Works to be constructed using labour-intensive construction methods.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**PSA 5 CONSTRUCTION**

**PSA 5.1 SURVEY**

**PSA 5.1.1 Setting Out of the Works**

*ADD THE FOLLOWING:*

"Benchmarks are available on Site and shall be used for construction purposes. The position of the permanent survey beacons is shown on the Drawings with the relevant position (X/Y coordinates) as well as the elevation (Z coordinate).

The Contractor shall be responsible for the setting out of the works.

If at any time during the progress of the Works, any error shall appear or arise in the position, levels, dimensions or alignment of any part of the Works, the Contractor, on being required to do so by the Employer's Agent, shall at this own expense rectify such error to the satisfaction of the Employer's Agent.

The Contractor shall take special precautions to protect all survey beacons or pegs such as benchmarks, stand boundary pegs and trigonometrical beacons, regardless whether such beacons or pegs were placed before or during the execution of the Contract. If any such beacons or pegs have been disturbed by the Contractor or his employees, the Contractor shall have them replaced by a registered land surveyor at his own cost."

**PSA 5.1.2 Preservation and Replacement of Survey Beacons and Pegs Subject to the Land Survey Act**

*DELETE THE WORDS: "in the vicinity of boundaries" IN THE SECOND SENTENCE OF SUBCLAUSE 5.1.2 AND REPLACE THE WORDS: "under the direction of" IN THE SAME SENTENCE WITH: "in consultation and liaison with".*

*ADD THE FOLLOWING AFTER THE SECOND SENTENCE OF SUBCLAUSE 5.1.2:*

"The Contractor and the Employer's Agent shall record on the said list, their concurrence or disagreement (as the case may be) regarding the completeness and accuracy of the details recorded therein."

*REPLACE THE THIRD SENTENCE OF SUBCLAUSE 5.1.2 WITH THE FOLLOWING:*

"At the completion of the Contract, the Contractor shall expose all pegs that were listed at the commencement of the construction as being in order and the Contractor shall arrange with a registered Land Surveyor for the checking of the positions of all such pegs and the replacement of any thereof which the Land Surveyor's check reveals have become disturbed or damaged. The Contractor shall, as a precedent to the issue of the Certificate of Completion, provide to the Employer's Agent, a certificate from the Registered Land Surveyor, certifying that all the pegs listed at the commencement of construction in accordance with the provisions of this clause, have been checked and that those found to have been disturbed, damaged or destroyed have been replaced in their correct positions, all in accordance with the provisions of the said Act.

The cost of all checking, replacement and certification as aforesaid shall be entirely for the Contractor's account; provided always that the Contractor shall not be held liable for the cost of replacement of pegs

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



which:

- a) cannot reasonably be re-established in their original positions by reason of the finished dimensions of the Permanent Works; and
- b) the Contractor can prove beyond a reasonable doubt to the satisfaction of the Employer's Agent, were disturbed, damaged or destroyed by others beyond its control."

### **PSA 5.3 PROTECTION OF EXISTING STRUCTURES**

*REPLACE: "Machinery and Occupational Safety Act, 1983, (Act No. 6 of 1983)" WITH: "Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), as amended," AND INSERT THE FOLLOWING AFTER "(Act No. 27 of 1956)": "as amended".*

### **PSA 5.4 PROTECTION OF OVERHEAD AND UNDERGROUND SERVICES**

*REPLACE THE HEADING AND THE CONTENTS OF THIS SUB-CLAUSE WITH THE FOLLOWING:*

### **PSA 5.4 LOCATION AND PROTECTION OF EXISTING SERVICES**

#### **PSA 5.4.1 Location of existing services**

Before commencing any work in an area, the Contractor shall ascertain the presence and actual position of all services which can reasonably be expected by an experienced and competent Contractor to be present on, under, over or within the Site.

Without in any way limiting its liability in terms of the Conditions of Contract in relation to damage to property and interference with services, the Contractor shall, in collaboration with the Employer's Agent, obtain the most up-to-date plans as are available, showing the positions of services existing in the area where it intends to work. Neither the Employer nor the Employer's Agent offer any warranty as to the accuracy or completeness of such plans and because services can often not be reliably located from plans, the Contractor shall ascertain the actual location of services depicted on such plans by means of careful inspection of Site and the provision and utilization of suitable detecting and testing equipment.

Thereafter, the Contractor shall, by the use of appropriate methodologies carefully expose the services at such positions as are agreed to by the Employer's Agent, for the purposes of verifying the exact location and position of the services. Where the exposure of existing services involves excavation to expose underground services, the further requirements of Sub-clauses 4.4 and 5.1.2.2 of SANS 1200D (as amended) shall apply.

The aforesaid procedure shall also be followed in respect of services not shown on the plans but which may reasonably be anticipated by an experienced Contractor to be present or potentially present on the site.

All services, the positions of which have been determined as aforesaid at the critical points, shall henceforth be designated as 'Known Services' and their positions shall be indicated by the Contractor on a separate set of Drawings, a copy of which shall be furnished to the Employer's Agent without delay.

As soon as any service which has not been identified and located as described above is encountered on, under, over or within the Site, it shall henceforth be deemed to be a Known Service and the aforesaid provisions pertaining to locating, verifying and recording its position on the balance of the Site shall apply.

The Contractor shall notify the Employer's Agent immediately any such service is encountered or

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

discovered on the Site.

Whilst it is in possession of the Site, the Contractor shall be liable for all loss of or damage as may occur to:

- a) Known Services, anywhere along the entire lengths of their routes, as may reasonably be deduced from the actual locations at which their positions were verified as aforesaid, due cognizance being taken of such deviations in line and level which may reasonably be anticipated; and
- b) any other service which ought reasonably to have been a Known Service in accordance with the provisions of this clause;

as well as for consequential damage, whether caused directly by the Contractor's operators or by the lack of proper protection;

Provided always that the Contractor will not be held liable in respect of damages occurring to services not being Known Services.

No separate payment will be made to the Contractor in respect of its costs of providing, holding available on the Site and utilizing the said detecting and testing equipment, nor for any costs incurred in preparing and submitting to the Employer's Agent, the Drawings as aforesaid and these costs shall be deemed included in the Contractor's other tendered rates and prices included in the Contract.

Payment to the Contractor in respect of exposing services at the positions agreed by the Employer's Agent and as described above will be made under the payment items (if any) as may be provided therefore in the respective sections of the Specifications pertaining to the type of work involved.

#### **PSA 5.4.2 Protection during construction**

The Contractor shall take all reasonable precautions and arrange its operations in such a manner as to prevent damage occurring to all Known Services during the period which the Contractor has occupation and/or possession of the Site.

Services left exposed shall be suitably protected from damage and in such a manner as will eliminate any danger arising therefrom for the public and/or workmen, all in accordance with the requirements of the prevailing legislation and related regulations.

Unless otherwise instructed by the Employer's Agent, no services shall be left exposed after its exact position has been determined and all excavations carried out for the purpose of exposing underground services shall be promptly backfilled and compacted. In roadways, the requirements of sub-clause 5.9 of SABS 1200 DB should be observed. In other areas, compaction is to be to 90% modified AASHTO density.

#### **PSA 5.4.3 Alterations and repairs to existing services**

Unless the contrary is clearly specified or ordered, the Contractor shall not carry out alterations to existing services. When this is necessary, the Contractor shall inform the Employer's Agent, who will either make arrangements for such work to be executed by the owner of the service, or instruct the Contractor to make such arrangements himself.

When the Contractor damages existing services, he shall immediately inform the Employer's Agent or the relevant authority and obtain instructions as to who should carry out repairs. In urgent cases the Contractor

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| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |

shall take the necessary steps to minimize damage to and interruption of the service. No repairs of telecommunication cables or electric power lines and cables shall be attempted.

The Employer will accept no liability for damages due to a delay in having such alterations or repairs affected. The Contractor shall provide all reasonable opportunity, access and assistance to persons carrying out alterations or repairs of existing services.

## PSA 5.7 SAFETY

*REPLACE THE CONTENTS OF SUBCLAUSE 5.7 WITH THE FOLLOWING:*

“Pursuant to the provisions of the Conditions of Contract, and without in any way limiting the Contractor’s obligations there under, the Contractor shall at its own expense (except only where specific provision (if any) is made in the Contract for the reimbursement to the Contractor in respect of particular items)”:

- a) Provide to its Employees on the Site of the Works, all safety materials, clothing and equipment necessary to ensure full compliance with the provisions of the Occupational Health and Safety Act (Act No 85 of 1993) as amended (hereinafter referred to as the Act) at all times, and shall institute appropriate and effective measures to ensure the proper usage of such safety materials, clothing and equipment at all times; and
- b) Provide, install and maintain on all barricades, safety signage and other measures to ensure the safety of workmen and all persons in, on and around the Site, as well as the general public; and
- c) Implement on the Site of the Works, such procedures and systems and keep all records as may be required to ensure compliance with the requirements of the Act at all times; and
- d) Implement all necessary measures as to ensure compliance of the Act by all subcontractors engaged by the Contractor and their employees engaged on the Works; and
- e) Comply fully with all other requirements pertaining to safety as may be specified in the Contract.

The Employer and the Employer’s Agent shall be entitled, although not obliged, to make such inspections on the Site as they shall deem appropriate, for the purpose of verifying the Contractor’s compliance with the requirements of the Act. For this purpose, the Contractor shall grant full access to the Site of all parts of the Site and shall co-operate fully in such inspections and shall make available for inspection, all such documents and records as the Employer’s and/or Employer’s Agent’s representative may reasonably require.

Where any such investigations reveal, or where it comes to the Employer’s Agent’s attention that the Contractor is in any way in breach of the requirements of the Act or is failing to comply with the provisions of this clause, the Employer’s Agent shall, in accordance with the provisions of Clause 42 of the Conditions of Contract, be entitled to suspend progress on the Works or any part thereof until such time as the Contractor has demonstrated to the satisfaction of the Employer’s Agent, that such breach has been rectified.

The Contractor shall have no grounds for a claim against the Employer for extension of time and/or additional costs if the progress on the Works or any part thereof is suspended by the Employer’s Agent in terms of this clause and the Contractor shall remain fully liable in respect of the payment of penalties for late completion in accordance with the provisions of Clause 46(1) of the Conditions of Contract should the Contractor fail to complete the Works on or before the specified Due Date for Completion in consequence of the suspension.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

Persistent and repeated breach by the Contractor of the requirements of the Act and/or this clause shall constitute grounds for the Employer's Agent to act in terms of Clause 9.2.1.3.5 (GCC 2025 4th Edition) of the Conditions of Contract and for the Employer to cancel the Contract in accordance with the further provisions of the said Clause 9.2 (GCC 2025 4th Edition)."

**ADD THE FOLLOWING NEW SUB-CLAUSE:**

All work and particularly work carried out in the proximity of buildings, bridges, tanks or other structures shall be carried out in conformance with the regulations framed under the Occupational Health and Safety Act, 1993 and the Minerals Act, (Act 50 of 1991) (including shoring where necessary) to ensure the safety of structures that are risk.

The Contractor shall make available for the duration of the contract safety helmets, gumboots and any other necessary safety equipment for sole use by the Employer's Agent and his representative(s).

**Unknown Existing Assets and Hazardous Materials**

The Contractor acknowledges that the exact pipe material, diameter, class, depth, fitting arrangement, valve condition and surrounding service conditions may not be fully known before excavation. The Contractor shall make do allowance for careful exposure, identification, recording and protection of existing services and assets.

Where asbestos-containing pipes or fittings are encountered or reasonably suspected, the Contractor shall immediately stop the affected work, notify the Employer's Agent, and proceed only in accordance with the approved asbestos control procedures, applicable legislation and the Contract requirements.

No removal or disposal of suspected asbestos-containing material shall take place except by lawful and properly controlled means.

**ADD THE FOLLOWING NEW SUB-CLAUSES TO CLAUSE 5:**

**PSA 5.9 SECURITY**

**PSA 5.9.1 Security of Contractor's Plant and Personnel**

The Contractor shall note that, notwithstanding any insurances which may be by the Employer, the Contractor shall be responsible for the effecting of safety and security of plant and personnel on and around the site of the works, and that no claims in this regard will be entertained by the Employer.

The sum entered by the Contractor in the Schedule of Quantities for effecting of safety and security of plant and personnel on and around the site of the works shall be deemed to include full compensation for all the necessary to affect the safety and security including, where necessary, the employment of the services of a security organization.

**PSA 5.10 SITE MEETINGS**

The Contractor or its authorized agent will be required to attend regular site meetings, which shall normally be held twice a month on dates and at times determined by the Employer's Agent, but in any case, whenever reasonably required by the Employer's Agent. Unless otherwise indicated in the Contract or instructed by the Employer's Agent, such meetings shall be held at the Contractor's offices on the Site. At such monthly meetings, matters such as general progress on the Works, quality of work, problems, claims, payments, and safety etc., shall be discussed, but not matters concerning the day-to-day running of the

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

Contract.

#### PSA5.11 WAYLEAVES AND PERMITS

The Employer has obtained wayleaves and access rights for the construction of the works.

The Contractor shall give notice and obtain all permits, licences and approvals as required by the Laws, and shall keep copies of such applications, permits, licences and approvals on site at all times. The Employer shall have access to such documents for its purpose under the Contract.

#### PSA5.12 CARE OF THE SITE AND PUBLIC

At all times during construction of the Works and upon completion thereof, the Site of the Works shall be kept and left in a clean and orderly condition. The Contractor shall store all materials and equipment for which he is responsible in an orderly manner and shall keep the Site free from debris and obstructions.

The attention of the Contractor is drawn to the fact that parts of the Works will be constructed within or adjacent to built-up areas. Certain work shall be constructed within urban areas and in the presence of passing traffic. The Contractor shall exercise all necessary precautions and take all necessary steps to ensure the safety and convenience of the public, including the prevention of unnecessary noise, dust or other nuisance or environmental impact. Where applicable, the Contractor shall provide access for traffic over and through the Works, and for residents to their places of abode. Safety measures shall also provide for wildlife and livestock.

Any rock or debris falling from trucks on the roads in use by the public shall be removed immediately. Precautions shall be taken to prevent fouling of public roads and other works by vehicles and the roads shall be kept clean by the Contractor.

Allowance should be made by the Contractor in his construction programme for delays that may result from foreseen and unforeseen actions that are required to ensure the safety and convenience of the public.

The Contractor shall give residents a minimum of 48 hours written notice of his intent to close access to residential stands and shall provide temporary access during the period of close. No permanent access to residential stands shall be closed for longer than 48 hours. The access shall be fenced off to ensure the safety of the public.

#### PSA5.13 CONTRACTOR'S REPRESENTATIVE AND SUPERINTENDENCE

The Contractor shall submit to the Employer and Employer's Agent within 14 days of the Commencement Date a list of addresses and telephone numbers of its Representative and key personnel who may be contacted both during and outside normal working hours in connection with the Works.

It is recommended that the Contractor's key personnel be suitably qualified as per the guidelines in the table below:

| Key personnel        | Qualification                             |
|----------------------|-------------------------------------------|
| Contracts Manager    | B. Tech or B Eng degree Civil Engineering |
| Construction Manager | National Diploma Civil Engineering        |
| Site foreman         | Trade test in plumbing                    |
| Safety Officer       | Professional registration with SACPCMP    |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

#### **PSA5.14 NOTICES, SIGNS, BARRICADES AND ADVERTISEMENTS**

Notices, signs and barricades as well as advertisements may only be erected where approved by the Employer's Agent. The Contractor shall be responsible for their supply, erection, maintenance and ultimate removal and shall make provision for this in his tendered rates.

The Employer's Agent shall have the right to have any sign, notice or advertisement moved to another location, or to have it removed from the Site of the Works, should it in any way prove to be unsatisfactory, inconvenient or a safety hazard.

#### **PSA5.15 ACCOMMODATION OF TRAFFIC**

Accommodation of traffic during construction of the Works forms an integral part of the obligations of the Contractor. The Contractor's plan for the accommodation of traffic and directional signs shall be prepared in terms of the latest version of the South African Road Traffic Signs Manual and CSRA Road Note 13, 3rd Edition 1988 (ECSRA Road Sign Note) and must be submitted to the Employer's Agent together with the approval of the applicable authorities prior to the commencement of construction activities.

The travelling public shall have the right of way on public roads (whether closed to through traffic or not), and the Contractor shall apply suitable approved methods for controlling the movement of the contractor's equipment, materials, plant and Temporary Works in such a way that the latter will not constitute a hazard to residents and the travelling public.

The Contractor shall exercise all necessary precautions and take all necessary steps to ensure the safety and convenience of the public. In addition, the Contractor shall provide access for traffic over and through the Works, and for residents to their places of abode. Allowance must be made by the Contractor in his programming for delays resulting from the aforesaid.

Failure to maintain road signs, warning signs or flicker lights, etc., in good condition shall be deemed sufficient cause under the applicable clause of the Conditions of Contract for the Employer's Agent to instruct the Contractor to suspend part or all of the Works at the cost of the Contractor until the default has been rectified.

The Contractor's tendered amounts for the work shall include full compensation for all costs and profit which may arise from the accommodation of traffic and no claims for extra payment in this respect shall be considered.

#### **PSA5.16 GENERAL ENVIRONMENTAL REQUIREMENTS**

All chemicals, lubricants and fuels shall be stored in secondary containment units that are capable of storing 110% of the contents stored. These secondary containment units must be impermeable, fire proof and constructed to the approval of the Employer's Agent.

Washing of tools and/or equipment shall take place at dedicated washing facilities within the construction camps. Suitable wash facilities must be provided at all construction camps and all wastewater must be treated before discharge into any natural watercourse.

The Contractor shall prevent the discharge of any pollutants, such as cement, concrete, lime, chemicals and fuels into any water sources. Runoff from fuel storage areas/ workshops/vehicle washing areas and concrete swills shall be directed via an oil separator into a settlement pond and this will be disposed of at a site approved by the Employer's Agent. Appropriate measures to prevent water pollution at/from batching plants must be implemented.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



The Contractor shall be responsible to safeguard the plant and areas adjacent to the Contractor's camp against fire caused in any way by the construction activities on Site. The Contractor shall be responsible for any damage or loss suffered in this regard.

#### **PSA5.17 PRE-CONSTRUCTION SURVEY**

Before commencing work in any area, the Contractor shall carry out a pre-construction survey of the affected work area and of any property, access route, structure, service, boundary treatment or improvement that may reasonably be affected by the Works.

The survey shall be undertaken jointly by the Contractor and the Employer's Agent and, where applicable, in the presence of the affected property owner, lawful occupier, municipal representative, or other authority having jurisdiction over the area concerned.

The purpose of the pre-construction survey shall be to identify, inspect, record and, where necessary, agree the condition of all features that may be affected by the Works, including but not limited to:

- access arrangements and any temporary access restrictions that may be required;
- communication protocol and contact details for affected parties where applicable;
- existing visible services and surface appurtenances, including water, sewer, stormwater, electricity, telecommunications and similar infrastructure;
- roads, paving, kerbs, channels, sidewalks, driveways and other surfaced areas;
- walls, fences, gates, guardrails and other boundary or protective structures;
- buildings, outbuildings, chambers, reservoirs, valve structures and other fixed improvements adjacent to the Works;
- landscaping, trees, gardens and other surface features likely to be disturbed;
- safety, security, fire protection and public access considerations relevant to the area; and
- any other existing condition, constraint, risk or special requirement that may be relevant to the execution, protection, reinstatement or close-out of the Works.

The survey shall include dated photographic records and written notes sufficient to identify the location, type and condition of the relevant features prior to construction. The records shall be clearly referenced to the specific street, erf, property, municipal area, work front or work assignment, as applicable.

A copy of the pre-construction survey record for each affected area shall be submitted to the Employer's Agent before the Contractor commences physical work in that area.

Where any discrepancy arises regarding pre-existing damage or condition, the contemporaneous survey records and photographs shall be used as the primary reference for assessment. The absence of a record shall not relieve the Contractor of responsibility for protecting the Works and adjacent property, structures and services

#### **PSA5.18 FENCING**

Where the execution of the Works requires the temporary removal, alteration, disturbance, crossing or opening of any existing fence, gate, wall, barrier or similar boundary treatment, the Contractor shall first

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|            |           |           |          |           |           |
| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |

obtain the approval of the Employer's Agent and shall give the affected owner, occupier or responsible authority not less than 48 hours' notice, where reasonably practicable.

Before dismantling, removing or disturbing any such fence, gate, wall, barrier or boundary treatment, the Contractor shall record its existing condition by means of photographs and written notes and, where applicable, obtain acknowledgement of the recorded condition from the affected owner, occupier or representative.

The Contractor shall take all reasonable measures to maintain security, access control and public safety at all times. Temporary fencing, barriers, gate arrangements or other protective measures shall be provided where necessary to safeguard the public, municipal operations, private property, livestock, animals or vehicles.

Any fence, gate, wall, barrier or similar boundary treatment disturbed, removed or damaged by the Contractor shall be reinstated, repaired or replaced to a condition not less than that existing before the commencement of the Works, unless otherwise specified or instructed in writing by the Employer's Agent.

New gates or replacement gates shall be installed only where required by the Contract, shown on the Drawings, or instructed by the Employer's Agent. The position, width and configuration of such gates shall be agreed with the Employer's Agent and, where applicable, the affected owner, occupier or authority.

The Contractor shall, after reinstatement, obtain written confirmation where reasonably practicable from the affected owner, occupier or representative that the reinstated fence, gate, wall, barrier or boundary treatment is in a condition not less than that which existed before it was disturbed.

No separate payment shall be made for compliance with this clause unless specific items are provided in the Schedule of Quantities for the relevant work

#### **PSA5.19 WORK FRONTS AND DISTRIBUTED WORK AREAS**

The Works may be carried out at multiple locations within the Contract Area under separate Work Assignments.

Unless otherwise instructed, the Contractor shall plan and execute the Works using the Regional Base as its principal operating base.

Where the Employer's Agent considers that a portion of the Works requires a separate temporary operating base because it is geographically distinct from the Regional Base or from another existing Work Front, the Employer's Agent may instruct the establishment of an additional Work Front in writing.

Movement between individual repair sites within the same town, zone or Work Front shall be deemed to be included in the Contractor's tendered rates and prices and shall not constitute grounds for payment under additional establishment items.

#### **PSA 6 TOLERANCES**

*ADD THE FOLLOWING SUBCLAUSE TO CLAUSE 6:*

#### **PSA 6.4 USE OF TOLERANCES**

No guarantee is given that the full specified tolerances will be available independently of each other, and the Contractor is cautioned that the liberal of full use of any one or more of the tolerances may deprive him

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| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |



of the full or any use of tolerances relating to other aspects of work.

Except where the contrary is specified, or when clearly not applicable, all quantities for measurement and payment shall be determined from the 'authorized' dimensions. These are specified dimensions or those shown on the Drawings or, if changed, as finally prescribed by the Employer's Agent, without any allowance for the specified tolerances. Except if otherwise specified, all measurements for determining quantities for payment will be based on the 'authorised' dimensions.

If the work is constructed in accordance with the 'authorised' dimensions plus or minus the tolerances allowed, the calculation of quantities will be based on the 'authorised' dimensions, regardless of the actual dimensions to which the work has been constructed.

When the work is not constructed in accordance with the 'authorised' dimensions plus or minus the tolerances allowed, the Employer's Agent may nevertheless, at his sole discretion, accept the work for payment. In such cases no payment shall be made for quantities of work or material in excess of those calculated for the 'authorised' dimensions, and where the actual dimensions are less than the 'authorised' dimensions minus the tolerance allowed, quantities for payment shall be calculated based on the actual dimensions as constructed."

## **PSA 7 TESTING**

### **PSA 7.1 PRINCIPLES**

#### **PSA 7.1.2 Standard of Finished Work Not to Specification**

*INSERT THE WORDS "or checks by an approved laboratory ..." AFTER THE WORDS "Where the Employer's Agent's checks ..." IN THE FIRST LINE OF SUBCLAUSE 7.1.2.*

### **PSA 7.2 APPROVED LABORATORIES**

*REPLACE THE CONTENTS OF SUB-CLAUSE 7.2 WITH THE FOLLOWING:*

"Unless otherwise specified in the relevant specification or elsewhere in the Project Specification, the following shall be deemed to be approved laboratories in which design work, or testing required in terms of a specification for the purposes of acceptance by the Employer's Agent of the quality of materials used and/or workmanship achieved, may be carried out:

- a) any testing laboratory certified by the South African National Accreditation Systems (SANAS) with respect to the nature and type of testing to be undertaken for the purposes of the Contract;
- b) any testing laboratory owned, managed or operated by the Employer or the Employer's Agent;
- c) any testing laboratory established and operated on the Site by or on behalf of the Employer or the Employer's Agent.
- d) Any other laboratory that the Employer's Agent approves in his absolute discretion."

## **PSA 8 MEASUREMENT AND PAYMENT**

### **PSA 8.1.1 Method of Measurement, All Sections of the Schedule**

*DELETE THE WORDS: "and South West Africa".*

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## PSA 8.1.2 Preliminary and General Item or Section

### PSA 8.1.2.1 Contents

"Separate items will be scheduled to cover the Fixed, Value-related and Time-related components of the Contractor's Preliminary and General Costs."

*AND REPLACE THE WORDS "substantial completion" IN SUBCLAUSE 8.1.2.1(c) WITH "Certificate of Completion".*

### PSA 8.1.2.2 Tendered sums

*REPLACE THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:*

"Except only where specific provision is made in the Specifications and/or the Schedule of Quantities for separate compensation for any of these items, the Contractor's tendered sums under items PSA 8.3 and PSA 8.4 shall collectively cover all charges for:

- risks, costs and obligations in terms of the Conditions of Contract and of this standardized specification; and
- head-office and site overheads and supervision; and
- profit and financing costs; and
- expenses of a general nature not specifically related to any item or items of the permanent or temporary work; and
- providing such facilities on Site as may be required by the Contractor for the proper performance of the Contract and for its personnel, including, but without limitation, providing offices, storage facilities, workshops, and ablutions, for providing services such as water, electricity, sewage and rubbish disposal, for access roads and all other facilities required, as well as for the maintenance and removal on completion of the Works of these facilities and for the cleaning-up of the site of the Contractor's establishment and reinstatement to not less than its original condition.
- providing the facilities for the Employer's Agent and his staff as specified in the Contract and their removal from the Site on completion of the Contract."
- providing security for Contractor's Plant and Personnel
- compliance with Occupational Health and Safety

The Contractor's tendered sums under items PSA 8.3 and PSA 8.4 shall further be deemed to include all costs associated with movement between individual repair sites and the execution of multiple Work Assignments within the same town, zone or Work Front.

Separate payment for additional establishment, maintenance, removal or relocation shall be made only where specific items are provided in the Schedule of Quantities for geographically separate Work Fronts and where such Work Fronts have been instructed or approved in writing by the Employer's Agent.

## PSA 8.2 PAYMENT

### PSA 8.2.1 Fixed-Charge and Value-Related Items

*REPLACE THE CONTENTS OF SUBCLAUSE 8.2.1 WITH THE FOLLOWING:*

#### PSA 8.2.1.1 Fixed Charge Items

Payment of fixed-charge items under PSA 8.3 shall be made as follows, unless otherwise expressly stated in the Schedule of Quantities:

|                                                                          |                                                                          |                                                                          |                                                                          |                                                                          |                                                                          |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
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| Contractor                                                               | Witness 1                                                                | Witness 2                                                                | Employer                                                                 | Witness 1                                                                | Witness 2                                                                |

- (a) where an item relates to the establishment or provision of a facility, office, service, obligation or requirement, payment shall be made when the relevant facility, service or requirement has been provided, fulfilled and approved by the Employer's Agent;
- (b) where an item relates to the removal of establishment or making good on completion, payment shall be made when the relevant facilities have been removed and the affected area has been cleared, cleaned and restored to the satisfaction of the Employer's Agent;
- (c) where an item relates to the establishment of an additional geographically separate Work Front, payment shall be made only where such Work Front has been instructed or approved in writing by the Employer's Agent;
- (d) where an item relates to interim relocation or re-establishment between geographically separate Work Fronts, payment shall be made only where such relocation has been instructed in writing by the Employer's Agent and has been completed to his satisfaction; and
- (e) no adjustment shall be made to any fixed-charge item merely because the value of the Works finally executed or the Time for Completion varies from that anticipated at tender stage, save where the Contract expressly provides otherwise.

#### PSA 8.2.1.2 Value-related items

Payment for the sum tendered under item 8.3.2 will be made in three separate instalments as follows:

- a) The first instalment, which is 40% of the sum, will be paid when the Contractor has fulfilled all his obligations to date under this specification, the General Conditions of Contract and the Special Conditions of Contract, and when the value of work certified for payment, excluding materials on site and payments for preliminary and general items, is equal to not less than 5% of the total value of the work listed in the Schedule of Quantities.
- b) The second instalment, which is 40% of the sum, will be made when the amount certified for payment, including retention money but excluding this second instalment, exceeds 50% of the tender sum.
- c) The final payment, which is 20% of the sum, will be made when the works have been certified as completed and the Contractor has fulfilled all his obligations to date under this Specification, the General Conditions of Contract and the Contract Data (GCC 2025 4th Edition).

Should the value of the measured work finally completed be more or less than the tender sum, the sum tendered under item 8.3.2 will be adjusted up or down in accordance with the provisions of Clause 6.11 (GCC 2025 4th Edition) of the Conditions of Contract, and this adjustment will be applied to the third instalment."

#### PSA 8.2.2 Time-related items

*REPLACE THE CONTENTS OF SUBCLAUSE 8.2.2 WITH THE FOLLOWING:*

"Subject to the provisions of Subclauses 8.2.3 and 8.2.4, payment under item 8.4.1 (time-related item) will be made monthly in equal amounts, calculated by dividing the sum tendered for the item by the tendered contract period in months;

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

Provided always that the total of the monthly amounts so paid for the item is not out of proportion with the value of the progress of the Works as a whole.

In the case of time-related items for maintaining an additional instructed Work Front, payment shall be made only for the period during which that Work Front remains active and in operation as confirmed by the Employer's Agent.

No payment shall be made under such items merely because multiple Work Assignments are issued within the same Work Front.

*ADD THE FOLLOWING NEW CLAUSE:*

#### **PSA 8.3.5 REGIONAL BASE AND ADDITIONAL WORK FRONTS**

The Facilities for Engineer and Facilities for Contractor measured in accordance with SANS 1200 AB and SANS 1200 A respectively shall be deemed to relate to the Regional Base only.

Additional items scheduled for establishment, maintenance, removal or relocation of geographically separate Work Fronts shall apply only where the Employer's Agent has instructed or approved such Work Fronts in writing.

No separate payment shall be made under such additional items for movement between individual repair sites within the same town, zone or Work Front, nor for duplication of facilities for the Contractor's own convenience.

A Work Assignment shall not in itself constitute a basis for payment under the additional Work Front items.

ADDITIONAL CLAUSES: ADD THE FOLLOWING:

#### **PSA9 HEALTH AND SAFETY**

The Works to comply with the Occupational Health and Safety Act (Act 85 of 1993), the Construction Regulations GNR.84 of 7 February 2014 and the Employer's Safety Specifications.

The maintenance of safe work practices at all times and in all sections of the execution of the works shall form part of the day-to-day site activities of all the Contractor's management, staff and workforce on the contract.

The Construction Regulations require the Employer to ensure that the Contractor has made adequate provision for the execution of the works within the Act, Regulations and Specifications. The items listed below have been identified as critical towards ensuring the minimum standards of safe work practice. It must however be noted that the list below is not exhaustive and that it is the Contractor's responsibility to allow for all costs involved to comply with the requirements in terms of the Contract.

Rates given for items under this section should ensure compliance with the relevant requirements in the Occupational Health and Safety Act, 1993 (OHSA), Construction Regulations, 2014 (CR), General Administrative Regulations, 2003 (GAR) and the General Safety Regulations, 2003 (GSR).

#### **PSA9.1 Fixed-charge items**

*ADD THE FOLLOWING NEW CLAUSE (Clause 8.3.5):*

Compliance with the Occupational Health and Safety Act (Act 85 of 1993) and its Regulations and with the Employer's

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

Health and Safety Specification.....Unit: Sum

The fixed charge item shall include but shall not be limited to the following:

- Preparation and implementation of Health and Safety Plan,
- Establishment of Health and Safety File,
- Health and Safety Training
- Personal Protective Clothing and Equipment
- Fences, Signs and Barricades
- Establishment of Safety Administration
- Other Health and Safety Fixed-charge Obligations

## PSA9.2 Time-related Items

*ADD THE FOLLOWING NEW CLAUSE (Clause 8.4.6):*

Compliance with the Occupational Health and Safety Act  
 (Act 85 of 1993) and its Regulations and with the Employer's  
 Health and Safety Specification.....Unit: month

The time-related item shall include but shall not be limited to the following:

- The employment cost of all health and safety personnel including consultants, health and safety officers, inspectors, supervisors and issuers required in terms of the Contractor's Health and Safety Plan,
- Updating the Health and Safety Plan as needed,
- Carrying out periodic own audits and follow-up audits,
- Compiling ongoing risk assessments and risk assessment reports as required by the Works,
- Convening of regular safety meetings with the Safety Representatives,
- Accompanying and supporting the Employer or his Safety Agent during ad hoc audits,
- Compilation of monthly safety reports and statistics for the Employer or his Safety Agent,
- Implementation and maintenance of Training
- Maintenance of personal protective clothing and equipment
- Maintenance of fences, signs and barricades
- Implementation and maintenance of safety administration
- Other Health and Safety Time-related Obligations

## PSA10 ENVIRONMENTAL MANAGEMENT PLAN

The Contractor shall comply with all the conditions of the Environmental Authorisation (Record of Decision) and the regulations of the National Environmental Management Act (Act 107 of 1998).

### PSA10.1 Fixed-charge Items

*ADD THE FOLLOWING CLAUSE (Clause 8.3.6):*

Compliance with the Environmental Management Plan.....Unit: Sum

The sum tendered shall cover all costs, overheads, profits and charges incurred in compilation of an Environmental Management Plan.

### PSA10.2 Time-related Items

*ADD THE FOLLOWING CLAUSE (Clause 8.4.7):*

|            |           |           |          |           |           |
|------------|-----------|-----------|----------|-----------|-----------|
|            |           |           |          |           |           |
| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |

Compliance with the Environmental Management Plan.....Unit: month

The time-related item shall include, but shall not be limited, to the following:

- The employment cost of an environmental officer as required in terms of the Environmental Management Plan and Environmental Authorisation,
- Updating the Environmental Management Plan as needed,
- Carrying out periodic own audits and follow-up audits,
- Ongoing monitoring of the Works to ensuring compliance with the Environmental Management Plan,
- Accompanying and supporting the Employer or his Environmental Officer during ad hoc audits,
- Compilation of monthly environmental reports and statistics for the Employer or his Environmental Officer,
- Other Environmental Management Obligations

#### PSA11 PROVISION OF LEP PLAN

*ADD THE FOLLOWING FIXED-CHARGE ITEM (Clause 8.3.7):*

Provision of a suitable Local Economic Participation Plan.....Unit: Sum

The sum tendered shall include full compensation for the provision of a suitable Local Economic Participation (LEP) plan. The tendered sum shall also include the auditing by a recognised external auditing firm of the expenditure on local goods, services and labour as defined in the mentioned specifications. Two audits shall be included – the first interim audit shall be undertaken once 70% of the construction period has lapsed while the second and final audit will be done once the Taking-Over Certificate has been issued. The issue and approval of the final audit results will be a pre-requisite for the issue of the Performance Certificate.

*ADD THE FOLLOWING TIME RELATED ITEM (Clause 8.4.8):*

Compliance with Local Economic Participation Plan.....Unit: month

The tendered rate shall cover all costs incurred for the submission of monthly progress information related to the LEP plan.

#### PSA12 SUMS STATED PROVISIONALLY (Clause 8.5)

##### PSA12.1 Contingencies

If applicable, a Provisional Sum has been included in the Summary of Schedules for contingencies. No percentage markup will be applicable to any payments made using contingency money other than the markup included in prices for variations determined in terms of the Conditions of Contract.

##### PSA12.2 Contract Price Adjustment (CPA)

If applicable, a Provisional Sum has been included for Contract Price Adjustment in the Summary of Schedules to make provision for contract price adjustment in terms of the Conditions of Contract. The value of the Provisional Sum shall be based on the percentage of the subtotal value as specified in the Summary of Schedules. No percentage markup will be applicable to any payments made in this regard.

Else, if CPA is approved by the Employer, each certificate issued shall be adjusted in accordance with the Contract Price Adjustment Schedule (GCC 2025 - page 47) with the following coefficients/ indices/

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



references obtained from Statistics South Africa and as published by SAFCEC from time to time (As defined in C1.2 – Clause 6.8.2):

- 1) The proportion not subject to adjustment:  $x = 0.10$ .
- 2) “L” is the “Labour Index” and shall be the “Consumer Price Index” for the province nearest to the Site as stated in the Contract Data and as published in the Statistical News Release P0141.1, Table A of Statistics South Africa. The associated coefficient shall be 0.25.
- 3) “P” is the “Contractor’s Equipment Index” and shall be the “Producer Price Index” for “Civil Engineering Plant” as published in the Statistical News Release P0151.1, Table 4, Plant and Equipment, of Statistics South Africa. The associated coefficient shall be 0.15.
- 4) “M” is the “Materials Index” and shall be the “Consumer Price Index” for “Building and Construction Civil Engineering”, as published in the Statistical News Release P0151.1, Table 6, Civil Employer’s Agenting Material, of Statistics South Africa. The associated coefficient shall be 0.55.
- 5) “F” is the “Fuel Index” and shall be the “Producer Price Index” for “Coal and petroleum. Products - Diesel, as published in the Statistical News Release P0141.1, Table 1 of Statistics South Africa. The associated coefficient shall be 0.05.
- 6) The province nearest to the site is “**Free State**”.
- 7) The base month will be the month prior to the month in which the tender closes.

#### **PSA12.3 Salary for Labour Desk Officer, Community Liaison Officer and Project Steering Committee**

If applicable, a Provisional Sum has been included in Section 1 for salaries to be paid to the Labour Desk Officer (LDO), Community Liaison Officer (CLO) and Project Steering Committee (PSC).

In addition to the abovementioned amount, provision is made in Section 1 for a mark-up on the amount to be paid. The markup shall be regarded as full compensation for overheads, charges and profits as provided for in the Conditions of Contract.

#### **PSA12.4 Artisans and skills training**

If applicable, a Provisional Sum has been included in Section 1 for payments to be made to specialists for the training of unskilled or semi-skilled persons in industry accredited management and generic skills.

Payment to the Contractor will be based on invoices certified by the Employer’s Agent and issued by training specialists to the Contractor for work undertaken in terms of this item.

In addition to the above amount, provision is made in Section 1 for a markup on any payments made by the Contractor in this regard. The markup shall be regarded as full compensation for overheads, charges and profits as provided for in the Conditions of Contract.

#### **PSA12.10 Locating existing services**

A Provisional Sum has been included in Section 1 for the location/identification of existing services in terms of the Specifications where required and agreed with the Employer’s Agent (e.g. Ground Penetrating Radar (GPR) survey).

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

In addition to the abovementioned amount, provision is made in Section 1 for a mark-up on the amount to be paid. The mark-up shall be regarded as full compensation for overheads, charges and profits as provided for the Conditions of Contract.

#### **PSA12.11 Relocation of Existing Services**

If applicable, a Provisional Sum has been included in Section 1 for the relocation of existing services by specialists where required and agreed with the Employer's Agent.

The markup shall be regarded as full compensation for overheads, charges and profits as provided for in the Conditions of Contract.

#### **PSA12.12 Specialized services**

Where applicable, a Provisional Sum has been allocated in Section 1 for the appointment and payment of specialized services, should they be required during the course of the project. These services may include, but are not limited to, the following specialist areas:

- Electrical
- Landscaping and hydro seeding;
- CCTV;
- Geotechnical surveys and inspections;
- Land Surveyor; and
- Acceptance control testing of pipework, coatings and linings.

In addition to the abovementioned amounts, provision is made in Section 1 for a mark-up on the amount to be paid. The markup shall be regarded as full compensation for overheads, charges and profits as provided for in the Conditions of Contract.

#### **PSAB EMPLOYER'S AGENT'S OFFICE**

##### **PSAB1 NAME BOARDS (Clause 3.1)**

Name board(s) conforming to the standard requirements of the South African Association of Consulting Employer's Agents and as shown on the relevant drawing must be provided and erected at points to be designated by the Employer's Agent. A contract name board drawing is included with the tender drawings.

##### **PSAB2 OFFICE BUILDING (Clause 3.2)**

Office facilities shall be provided and appropriately furnished for the Employer's Agent's Representative's personnel and maintained for the duration of the contract as per drawing, included in the tender drawings.

The Contractor shall provide all electrical equipment as required by the office staff as well as all consumables required for facilities and equipment i.e. pens, paper, files, toner, stationery etc.

The Contractor shall also be responsible for providing and maintaining a reliable and high-speed internet connection, such as Wi-Fi or fibre-optic broadband, for the Employer's Agent's offices. The Contractor shall ensure reliable and uninterrupted internet connectivity to support daily operations, communications, and all project-related digital needs throughout the duration of the contract.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



All offices, facilities and equipment shall be new and be furnished, serviced, cleaned and maintained by the Contractor. The Contractor shall provide a full-time assistant to clean the offices and car wash. The Contractor shall provide a full-time guard service and ablution facilities for the office complex.

The Contractor shall be responsible for all running costs and costs for other services, including telecommunication, electricity, water, etc. to operate and maintain the offices efficiently.

The Contractor will remain the owner (or renter) of the offices, furniture and equipment and shall be responsible for the maintenance and insurance thereof.

Upon completion of the Works, the Contractor shall remove the offices, furniture, equipment and all related services from the Site.

The office facilities, equipment, communications and related services required under this clause shall be provided at the Regional Base only, unless the Employer's Agent specifically instructs otherwise in writing.

No duplication of Employer's Agent's office facilities at additional Work Fronts shall be measured or paid unless a separate item is provided in the Schedule of Quantities or such duplication is expressly instructed in writing by the Employer's Agent.

### **PSAB3 TELEPHONE (Clause 5.4)**

The Contractor shall provide and make available a mobile phone for the exclusive use of Employer's Agent's Representative's staff for the duration of the contract, including all call and service costs associated with the provision of mobile phones.

The phone provided must meet or exceed the following minimum specifications:

1. Battery:
  - Li-Po 5000 mAh, non-removable, for extended battery life.
2. Display:
  - 6.5-inch PLS LCD, minimum 720 x 1600 pixels, ensuring clear visibility in outdoor conditions.
3. Performance:
  - Octa-core CPU (e.g., Mediatek MT6765 Helio P35 or equivalent).
  - Minimum 2GB RAM and 32GB internal storage (expandable via microSD) to support essential apps and data storage.
4. Cameras:
  - Rear Camera: 13 MP (wide angle).
  - Front Camera: Minimum 5 MP
5. Connectivity:
  - Support for GSM / HSPA / LTE networks.
  - Wi-Fi 802.11 b/g/n, Bluetooth 5.0, GPS for reliable on-site communication and navigation.
6. Airtime and Data:
  - Minimum 200min. per month for the duration of the contract.
  - Minimum 2.5GB Data per month for the duration of the contract.

The Contractor is responsible for ensuring the mobile phone is operational for the entire duration of the contract, including any necessary call and data services, and insurance (optional). All related costs should be included in the monthly payment claims, based on invoices submitted by the Employer's Agent. The cellular phone will remain the property of the Contractor.

### **PSAB5 SURVEY ASSISTANTS (Clause 5.5)**

|            |           |           |          |           |           |
|------------|-----------|-----------|----------|-----------|-----------|
|            |           |           |          |           |           |
| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |

One suitably educated Survey Assistant shall be made available for the sole use of the Employer's Agent's Representative personnel for the duration of the Contract. Transport shall be supplied for the Survey Assistant by the Contractor for the duration of the Contract should he be requested to do so. In such event payment will be made at scheduled daywork rates.

#### PSAB6 SURVEY EQUIPMENT

The survey equipment listed below shall be made available and maintained in good condition for the exclusive use of the Employer's Agent or his Representative for the duration of the Contract.

| No. | Item Description                                                                                 | Quantity |
|-----|--------------------------------------------------------------------------------------------------|----------|
| 1   | Automatic surveyor's level complete with tripod and carry case (e.g., DLS1 ROSS, Bosch GOL 32 D) | 1 No     |
| 2   | Nylon-coated steel surveyor's tape, 100m long, 10mm wide                                         | 1 No     |
| 3   | 10m long steel tape                                                                              | 1 No     |
| 4   | 5m three-piece telescopic survey staves (metric double-face) with angle bracket level            | 2 No     |
| 5   | Survey books: Level                                                                              | 3 No     |
| 6   | 2kg hammer with rubber handle                                                                    | 1 No     |
| 7   | Steel pegs, 300mm long, 12mm diameter                                                            | 100 No   |
| 8   | Measuring wheel                                                                                  | 1 No     |
| 9   | Tripod holders for ranging rods (heavy duty)                                                     | 2 No     |
| 10  | Digital Spirit Level                                                                             | 1 No     |
| 11  | Three metre aluminium straight edge                                                              | 1 No     |

#### PSAB7 CARPORTS

The Contractor shall provide and maintain carports as indicated on the detail drawing mentioned in PSAB2 for the duration of the Contract. The floor shall consist of 19mm crushed aggregate to alleviate dusty and muddy conditions.

#### PSAB8 INSURANCE, MAINTENANCE ETC.

The Contractor shall be responsible for the insurance of all facilities and equipment, running costs and costs for other services, including telecommunication, electricity, water, sanitation, etc. to operate and maintain the office efficiently.

The Contractor shall provide assistants to clean the offices.

The Contractor shall provide all consumables required for the facilities and equipment.

#### PSC SITE CLEARANCE

#### PSC3 MATERIALS

#### PSC3.1 DISPOSAL OF MATERIAL

ADD THE FOLLOWING:

"Materials arising from clearing and grubbing shall be disposed of at a suitable spoil site. The Contractor shall be responsible for making his own arrangements for a suitable spoil site. Trees and stumps

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

necessarily removed shall not be burnt unless authorised by the Employer's Agent but shall be cut and stacked at areas designated by the Employer's Agent."

## **PSC5 CONSTRUCTION**

### **PSC5.1 AREAS TO BE CLEARED AND GRUBBED**

*ADD THE FOLLOWING:*

"Pipeline routes shall be cleared to a distance of 1.5m on both sides of the pipeline centre line. Route pegs or makers shall not be destroyed or damaged during clearing operations."

### **PSC5.2 CUTTING OF TREES**

#### **PSC5.2.3 Preservation of trees**

##### **PSC5.2.3.2 Individual trees**

*REPLACE THE LAST SENTENCE WITH THE FOLLOWING:*

"An amount of R50 000.00 will be deducted from moneys due to the Contractor as a penalty for every tree that is damaged or removed unnecessarily or without written approval of the Employer's Agent."

### **PSC5.5 RECLEARING OF VEGETATION**

*ADD THE FOLLOWING:*

"When areas have to be re-cleared on the written instructions of the Employer's Agent, such re-clearing shall be carried out at the Contractor's own cost and the Contractor is therefore advised not to clear the areas too soon"

## **PSC8 MEASUREMENT AND PAYMENT**

### **PSC8.2 PAYMENT**

#### **PSC8.2.1 Clear and grub**

*REPLACE THE FIRST LINE WITH THE FOLLOWING:*

"The area designated by the Employer's Agent to be cleared and grubbed will be measured in square metre to the nearest square metre or,"

*ADD THE FOLLOWING CLAUSES:*

**"PSC8.2.11 Take down and re-erect existing fences.....Unit: m**

The rate shall cover the cost of taking down the fences, coiling wire, sorting, stacking and guarding all materials, the cost of loading, transporting and off-loading such materials, the cost of re-erecting the fence in its original position using the dismantled material, the cost of temporary bracing of the fencing sections not taken down and the cost of appurtenant materials that may be required to restore the fence to its original condition before dismantling."

**"PSC8.2.12 Take down existing fences and reinstate using new fencing material.....Unit: m**

The rate shall cover the cost of taking down the fences, disposing of the material that cannot

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

be reused, the supply of all new fencing materials required, the cost of re-erecting the fence in its original position, the cost of temporary bracing of the fencing sections not taken down and the cost of appurtenant materials that may be required to restore the fence to its original

## PSD EARTHWORKS

### PSD3 MATERIALS

#### PSD3.1 CLASSIFICATION FOR EXCAVATION PURPOSES

##### PSD3.1.1 Method of Classifying

*REPLACE THE CONTENTS OF SUBCLAUSE 3.1.1 WITH THE FOLLOWING:*

"The Contractor may use any method he chooses to excavate any class of material but his chosen method of excavation shall not determine the classification of the excavation. The Employer's Agent will decide on the classification of the materials. Said classification will be based on the criteria as stated in PSD 3.1.2 as described below. All equipment described in PSD 3.1.2 is to be in good mechanical condition and be operated efficiently by an experienced and licenced operator. "**Efficiently**" means "in a manner that can reasonably be expected of a contractor, having regard for the production achieved". In the event of a disagreement between the Employer's Agent and the Contractor, it shall be the responsibility of the Contractor, if so required and subject to the provisions of 4.1, to make available at his own expense such equipment as is specified in PSD 3.1.2 in order to assess the reasonable removability or otherwise of the material. The Employer's Agents decision shall then, subject to the provisions of the contract, be final and binding."

##### PSD3.1.2 Classes of Excavation

*REPLACE THE CONTENTS OF SUBCLAUSE 3.1.2(a), (b) and (c) WITH THE FOLLOWING:*

"The excavation of material will be classified as follows for purposes of measurement and payment:

(a) Soft excavation

1. Soft excavation shall be excavation in material that can be efficiently removed or loaded, without prior ripping, by the following plant:
  - i. a track-type back-acting excavator unit with a total mass of approximately 30t and flywheel power of approximately 150kW.

(b) Hard rock excavation

1. Material shall be deemed to be hard rock when a track-type back-acting excavator unit with a total mass of approximately 30t and a flywheel power of approximately 150 kW fails to achieve a trenching production rate of 10m<sup>3</sup> per hour.
2. Hard rock excavation shall be excavation in material that cannot be efficiently removed without blasting or without wedging and splitting.
3. Small quantities of hard material which can be removed by means of pneumatic equipment such as an excavator-mounted hydraulic hammer or pneumatic hand tools will also be classified as hard rock.

(c) Intermediate excavation

1. There will be no intermediate classification of material for this contract. The material will be either soft excavation or hard excavation and will be classified as described in (a) and (b) above.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

(d) Approval for Blasting

1. Permission for the use of explosives will only be given once the Employer's Agent has been notified that the hard excavation conditions have been encountered and when he has verified that excavation by conventional means is not possible.
2. All blasting will take place in accordance with the safety and security regulations applicable to such activities.

**PSD5 CONSTRUCTION**

**PSD5.1. PRECAUTIONS**

**PSD5.1.1. SAFETY**

**PSD5.1.1.1 Barricading and lighting**

*REPLACE* "Machinery and Occupational Safety Act, 1983 (Act 6 of 1983) WITH "Occupational Health and Safety Act, 1993 (Act 85 of 1993)

**PSD5.1.1.2 Safeguarding of excavation**

*REPLACE* "Machinery and Occupational Safety Act" WITH "Occupational Health and Safety Act, 1993 (Act 85 of 1993)

**PSD5.1.1.3 Explosives**

*REPLACE THE CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:*

The use of explosives is prohibited on this project.

**PSD5.1.2 Existing services**

**PSD5.1.2.2 Detection, location and exposure**

*REPLACE THE CONTENTS OF SUBCLAUSE 5.1.2.2 WITH THE FOLLOWING:*

The exposure by the Contractor of underground services, as required in terms of sub-clause 5.4 of SABS 1200A (as amended) shall be carried out by careful hand excavation at such positions and to such dimensions as agreed to by the Employer's Agent.

Unless otherwise instructed or agreed by the Employer's Agent, no service shall be left exposed after its exact position has been determined, and all excavations carried out for the purposes of exposing underground services shall be promptly backfilled and compacted to the following densities:

- (a) In roadways: 93% Mod AASHTO density; and
- (b) In all other areas: 90% Mod AASHTO density.

Where hand excavations to expose underground services have to be carried out in roadways, the Contractor shall reinstate the road layer works in accordance with the provisions of sub-clause 5.9 of

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

SABS 1200DB.

Payment in respect of exposing the services by means of hand excavation as described above will be made in accordance with sub-clause PSD 8.3.8.1.

Payment in respect of reinstating the layer works in roadways will be made in accordance with sub-clause 8.3.6.1 of SABS1200DB (as amended).

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### **SD5.1.2.3 Protection of cables**

*REPLACE SUBCLAUSE 5.1.2.3 WITH THE FOLLOWING:*

#### **“5.1.2.3 Protection during construction**

Further to the requirements of sub clause 5.4.2 of SABS 1200A (as amended), major excavating equipment and other plant shall not be operated dangerously close to known services. Where necessary, excavation in close proximity to known services shall be carried out carefully using suitable hand tools, excluding picks where their use could damage the services. No additional payment will apply to such more difficult work.

Should any service not being a known service be discovered or encountered during the course of the Contract, the Contractor shall, in addition to complying with the requirements of sub clause 5.4.2 of SABS 1200A (as amended), immediately notify the Employer’s Agent thereof and implement such measures as will prevent damage of such service or, if it was damaged in the course of discovery, will prevent and minimize the occurrence of any further damage occurring.”

### **PSD5.1.2.4 Negligence**

*DELETE SUBCLAUSE 5.1.2.4*

### **PSD5.1.3 Stormwater and groundwater**

*ADD THE FOLLOWING*

“The Contractor shall, where applicable and at the earliest practicable opportunity, install the permanent drainage specified or shown on the Drawings and shall at his own cost provide the temporary drainage required to protect the works.”

### **PSD5.1.5 Reinstatement and maintenance of roads**

*ADD THE FOLLOWING:*

Where crossings have been made, roads shall be reinstated in accordance with the details specified in sub-clause 5.9 of SABS 1200 DB.

### **PSD5.1.6 Road traffic control**

*DELETE THE SECOND SENTENCE OF SUBCLAUSE 5.1.6*

## **PSD5.2 METHODS AND PROCEDURES**

### **PSD5.2.2 EXCAVATION**

#### **PSD5.2.2.3 Disposal**

*ADD THE FOLLOWING:*

“Surplus material will be disposed and finished off on site or at an approved site in compliance with the Employer’s Agents’ requirements”

#### **PSD5.2.5.1 Freehaul**

*REPLACE THE CONTENTS OF SUBCLAUSE 5.2.5.1(a) and (b) WITH THE FOLLOWING:*

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

"The freehaul distance within which the Contractor will be required to move material without separate compensation shall be 5km."

## PSD.7 TESTING

### PSD.7.2 TAKING AND TESTING OF SAMPLES

*ADD THE FOLLOWING:*

"The Contractor shall include in his rate for the cost of density testing. These tests will be carried out on each layer of material utilized for filling."

## PSDA EARTHWORKS (SMALL WORKS)

### PSDA3 MATERIALS

#### PSDA3.1 CLASSIFICATION FOR EXCAVATION PURPOSES

##### PSDA3.1.1 METHOD OF CLASSIFYING

*ADD THE FOLLOWING:*

In case of excavation by hand, the following method of classification will be used:

- 3.1.2(a) **Soft excavation** will be classified as material which can be excavated with a pick and shovel. Should this material be measured with a DCP testing apparatus, the density of the material will be such that a penetration of not less than 10mm per blow will occur for every layer of 150mm.
- 3.1.2(b) **Intermediate excavation** will be classified as material which can be excavated with a pick and shovel and the penetration of a DCP testing apparatus is less than 10mm per blow
- 3.1.2(c) **Hard Rock excavation** will be classified as material which can only be removed with compressed air equipment, wedging and blasting.

##### PSDA3.1.2 Classes of Excavation

*REPLACE THE CONTENTS OF SUBCLAUSE 3.1.2(a), (b), and (c) WITH THE FOLLOWING:*

"The excavation of material will be classified as follows for purposes of measurement and payment:

- (e) Soft excavation
  - 1. Soft excavation shall be excavation in material that can be efficiently removed or loaded, without prior ripping, by the following plant:
    - ii. a track type back-acting excavator unit of total mass of approximately 30t and flywheel power approximately 150kW.
- (f) Hard rock excavation
  - 1. Material shall be deemed to be hard rock when a track type back-acting excavator unit with a total mass of approximately 30t and a flywheel power of approximately 150kW fails to achieve a trenching production rate of 10m per hour.
  - 2. Hard rock excavation shall be excavation in material that cannot be efficiently removed without blasting or without wedging and splitting.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



3. Small quantities of hard material which can be removed by means of pneumatic equipment such as an excavator mounted hydraulic hammer or pneumatic hand tools will also be classified as hard rock.

(g) Intermediate excavation

1. There will be no intermediate classification of material for this contract. Material will be either soft excavation or hard excavation and will be classified as described in (a) and (b) above.

(h) Approval for Blasting

1. Permission for the use of explosives will only be given once the Employer's Agent has been notified that the hard excavation conditions have been encountered and when he has verified that excavation by conventional means is not possible.
2. All blasting will take place in accordance within the safety and security regulations applicable to such activities.

**PSDB EARTHWORKS (PIPE TRENCHES)**

**PSDB3 MATERIALS**

**PSDB3.5 BACKFILL MATERIALS**

*ADD THE FOLLOWING PARAGRAPHS TO SUBCLAUSE 3.5:*

(c) Cement-stabilized backfilling

Backfilling shall, where directed by the Employer's Agent, be stabilized with 5% cement. The aggregate shall consist of approved soil or gravel containing stones not bigger than 38mm and with a plasticity index not exceeding 10.

The soil or gravel shall be mixed with 5% cement and shall be compacted in layers of 100mm thick to 90% of modified AASHTO density.

(d) Soilcrete backfilling

The aggregate for soilcrete shall be mixed with 5% cement and shall consist of approved soil or gravel containing stones not bigger than 38mm and with a plasticity index not exceeding 10.

The soil or gravel shall be mixed in a concrete mixer with the cement and enough water to acquire a consistency that allows the mixture to be placed with vibrators to fill voids between the pipe and the sides of the trench. Shuttering shall be used where necessary.

**PSDB3.7 SELECTION**

*ADD THE FOLLOWING:*

"Where suitable backfilling material is available in layers of 150mm or more, it will be separated during excavation and utilised for backfilling. Should this material not be utilised, an estimation of the available quantity will be made and deducted from the material which was imported."

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## **PSDB5 CONSTRUCTION**

### **PSDB5.1 PRECAUTIONS**

#### **PSDB5.1.3 Accommodation of traffic and access to properties**

REPLACE THE SEMICOLON AND THE WORD “and” AT THE END OF SUBCLAUSE 5.1.3(a) WITH A FULL STOP AND REPLACE ITEM (b) WITH THE FOLLOWING:

(b) Where necessary to achieve compliance by the Contractor with his obligations in terms of sub-clause C3.4.2.5 (e) Scope of Works to provide and maintain pedestrian and vehicular access to properties affected by the works, the Contractors shall construct and maintain to the satisfaction of the Employer’s Agent, such temporary access roads around and/or steel or timber bridges over excavations in roads, pavements, entrances or accesses to properties.

Temporary pedestrian access bridges shall be at least 1,2m wide and temporary access bridges for vehicles shall be at least 3.6m wide. All temporary access bridges shall be fitted with handrails as well as protective mesh fencing on both sides.

On completion of the work, the Contractor shall dismantle and remove all such temporary constructions and reinstate these areas to their former condition.

Except only where the Employer’s Agent has included in the Schedule of Quantities, particular payment items specifically therefore, the Contractor will not be paid

directly for the construction and maintenance of temporary access roads and/or the provision and maintenance of bridges as aforementioned and the costs thereof shall be deemed included in the Contractor’s offered rates for excavation.

*ADD THE FOLLOWING NEW SUBCLAUSES TO SUBCLAUSE 5.1*

#### **PSDB5.1.5 Removal of existing pipelines**

Where existing pipes have to be removed, they shall be carefully opened up by machine excavation to 300mm above the pipes after which the whole pipe shall be fully exposed by means of hand excavation. The excavation width shall comply with subclause 8.2.3.

The pipes shall be removed from the trench in a manner approved by the Employer’s Agent and brought to the surface for inspection by the Employer’s Agent.

Pipes that are declared suitable for reuse and pipes declared unfit for reuse shall be dealt with in an applicable manner described in the specifications, or on the Drawings or on the Employer’s Agent’s instructions as relevant.

#### **PSDB5.1.6 Removal of Asbestos Pipelines**

The Contractor acknowledges that the exact pipe material, diameter, class, depth, fitting arrangement, valve condition and surrounding service conditions may not be fully known before excavation. The Contractor shall make due allowance for careful exposure, identification, recording and protection of existing services and assets.

Where asbestos-containing pipes or fittings are encountered or reasonably suspected, the Contractor shall immediately stop the affected work, notify the Employer’s Agent, and proceed only in accordance with the approved asbestos control procedures, applicable legislation and the Contract requirements.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

No removal or disposal of suspected asbestos-containing material shall take place except by lawful and properly controlled means.

Where existing asbestos pipes have to be removed, they shall follow the same process as described in sub-clause 5.1.5, and will also have to adhere to the Asbestos Regulations, OHS Act 85/93 and the Asbestos Regulations promulgated by Government Notice No R155 of 10 February 2002, as amended.

#### **PSDB5.4 EXCAVATION**

*ADD THE FOLLOWING:*

Except where otherwise specified, trenches shall be of such a depth that the minimum cover over the pipes shall be 700mm except at road- crossings where the minimum cover shall be 1000mm.

#### **PSDB5.6 BACKFILLING**

##### **PSDB5.6.2 Material for Backfilling**

*ADD THE FOLLOWING:*

"Rocks and rubble removed from the trench exceeding 250mm in diameter will be deemed unsuitable for backfilling above the bedding (cradle and blanket) and should be separated and removed to spoil."

##### **PSDB5.6.4 Disposal of Hard Rock and Intermediate Material**

*ADD THE FOLLOWING:*

"It is the contractor's responsibility to level the disposed spoil heaps and tip the following loads on the levelled material. The Contractor will not be permitted to dispose of unsuitable material by just dumping it onto the horizontal surface. Excess material which cannot be flattened sufficiently will be removed from the site to an approved spoil site. All excavated rock material exceeding 250mm in diameter is to be removed to an approved spoil site."

#### **PSDB7 TESTING**

##### **PSDB7.1 Density Test**

*ADD THE FOLLOWING:*

"The frequency of density test shall be 4 tests at every 100m interval on each backfill layer."

#### **PSDB8 MEASUREMENT AND PAYMENT**

##### **PSDB8.3 SCHEDULED ITEMS**

##### **PSDB8.3.2 Excavation**

- (a) Excavate in all materials for trenches, backfill compact and dispose of surplus material

*REPLACE "of 1,0m" IN THE FIRST SENTENCE OF 8.3.2(a) WITH: 'as specified in the Schedule of Quantities'*

- (b) Extra over item (a) above for:

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**ADD THE FOLLOWING AT THE END OF THE EXISTING SUBITEM 2:**

“No payments will be made under sub-items (1) and (2) in respect of any material measured and paid for under sub-item 3 below”

**AND ADD THE FOLLOWING NEW SUBITEMS IN 8.3.2(b):**

**“(3) Hand excavation where ordered by the Employer’s Agent in:**

- (a) Soft material ..... Unit: m<sup>3</sup>
- (b) Intermediate material ..... Unit: m<sup>3</sup>
- (c) Hard material ..... Unit: m<sup>3</sup>

The unit measurement shall be the cubic metre of material, measured in place according to the authorized dimensions, which was excavated by hand on the specific prior written instructions of the Employer’s Agent; provided always that the Employer’s Agent said instruction shall have stated that measurement and payment for such hand excavation will be in accordance with this item.

The offered rate shall include full compensation for the additional cost, effort and time resulting from excavating in the respective materials using hand methods only.

The Employer’s Agent shall not be obliged to authorize payment under these items in respect of any hand excavation carried out (whether ordered in writing or otherwise), which hand excavation was, in any case, necessary to achieve compliance by the Contractor with his obligations under the Contract to:

- (i) utilize construction appropriate to the nature of the specific parts of the works; and/or
- (ii) protect existing structures and/or services; and/or
- (iii) Comply with all prevailing legislation and regulations

**(4) Backfill stabilized with 5% cement where directed by the Employer’s Agent.....Unit: m<sup>3</sup>**

The unit of measurement shall be the cubic metre of backfill material, measured in place after compaction according to the authorized dimensions, which was stabilized on the Employer’s Agents instruction in accordance with sub-clause PSDB3.5(c).

The offered rate shall include full compensation for supplying the cement and for selecting, mixing, backfilling and compacting the stabilized material to 90% of modified AASHTO density.

**(5) Soilcrete backfill where directed by the Employer’s Agent.....Unit: m<sup>3</sup>**

The unit of measurement shall be the cubic metre of soilcrete placed on the Employer’s Agent’s instructions in accordance with sub-clause PSDB 3.5(d), measured in place according to the authorized dimensions.

The offered rate shall include full compensation for supplying the cement and for selecting, mixing and placing the soilcrete as well as for the cost of shuttering if required.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

ADD THE FOLLOWING SUBITEMS IN 8.3.2 AFTER SUBITEM 8.3.2(C):

- '(d) **Excavate in all materials for stormwater inlet and outlet structures and for manholes, catch pits, valves chambers and the like, irrespective of depth and backfill around structures**.....Unit: m<sup>3</sup>

The unit of measurement shall be the cubic meter of material excavated, measured in place according to the authorized dimensions, and excluding the volume of material excavated and paid for under sub item (a).

The offered rate shall include for the costs of excavating in all materials, backfilling, compacting, trimming and tidying the final surface around the structure, disposing of surplus and unsuitable materials within the free-haul distance and where applicable, selecting and keeping separate, excavated material suitable for the use of backfill.

- '(f) **Extra over sub-items (d) and (e) for excavating in**

- (1) Intermediate material.....Unit: m<sup>3</sup>  
 (2) Hard rock material.....Unit: m<sup>3</sup>  
 (3) Hard rock where chemical blasting is required: .....Unit: m<sup>3</sup>

Measurement and payment shall be in accordance with the provisions of 8.3.2(b) of SABS 1200D (as amended).

#### PSDB8.3.4 Particular Items:

REPLACE THE CONTENTS OF CLAUSE 8.3.4 (a) WITH THE FOLLOWING:

- a) **Shore trench**.....Unit: m

All trenches deeper than 1,0m shall be shored.

The Contractor shall assume full responsibility for the safety of excavations and shall carry out all measures necessary to make the work secure, by timbering and strutting or sheet piling the excavated face or by side sloping where it is not required to act as a mould to concrete work. All timbering and strutting must be of sufficient strength and be capable of being removed readily as the work proceeds.

All timbering and strutting or sheet piling shall be subject to the Employer's Agent's approval but such approval shall not relieve the Contractor of any responsibility with regard to the safety or suitability of the timbering/sheet piling used.

The Contractor shall further take all precautions to safeguard existing services and structures near or next to excavations carried out by him and shall provide and erect any shoring or underpinning that may be necessary.

All claims for compensation for damage or injury caused or aggravated by the Contractor not taking all precautions to safeguard persons or property shall be met entirely by the Contractor.

The length measured for payment will be that of the centre-line of the trench regardless of whether supports are placed on one or on both sides of the trench. The rate shall cover the cost, for both sides of the trench, if necessary, of the supply, placing, maintenance and removal of timbering and other support measures together with any cost that results from the inconvenience of working in the supported trench and the cost of any risks inherent in the operation. The rate shall also

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

include the temporary works design and inspection by a competent person/structural Employer's Agent.

*ADD THE FOLLOWING CLAUSE:*

### **PSDB8.3.8 Removal of Existing Pipes**

**a) Remove pipes from trench and dispose.....Unit: m**

The unit measurement shall be the linear metre length of pipe removed.

The offered rate shall include full compensation for the additional cost, effort and time resulting from the removal, handling and disposal of the existing pipe only.

**b) Remove AC pipes from the trench, handle and dispose at a suitable site...Unit: m**

The unit measurement shall be the linear metre length of pipe removed.

The offered rate shall include full compensation for the additional cost, effort and time resulting from the removal, handling and disposal of the existing pipe, including adherence to the Asbestos Regulations, OHS Act 85/93 and the Asbestos Regulations promulgated by Government Notice No R155 of 10 February 2002, as amended, only.

### **PSL MEDIUM PRESSURE PIPES**

#### **PSL3 MATERIAL**

##### **PSL3.1 GENERAL**

*ADD THE FOLLOWING PARAGRAPHS:*

Each type of pipe delivered to the Site shall be of a standard length corresponding to the standard lengths offered by the pipe manufacturer in his catalogue, with a maximum permissible variation in length of  $\pm 2\%$ .

A pipe that is shorter or longer than the defined standard will be rejected by the Employer's Agent, except when such non-standard lengths are required in terms of the Contract and have been specifically manufactured or cut as such by the pipe manufacturer or supplier.

##### **PSL3.7 OTHER TYPES OF PIPES**

###### **PSL3.7.1 uPVC pipes**

*ADD THE FOLLOWING:*

"uPVC pipes and specials for potable water mains and house connections shall be PVC-U Class 34 pipes."

###### **PSL3.7.2 Polyethylene pipes**

*ADD THE FOLLOWING:*

"Polyethylene pipes and specials for potable water mains and house connections shall be HDPE PE100 PN10 SDR 17 pipes."

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

All HDPE pipes shall be joined by welding.”

### **PSL3.9 CORROSION PROTECTION**

#### **PSL3.9.2 Steel pipes**

##### **PSL3.9.2.1 Steel pipes nominal bore up to 150mm**

*ADD THE FOLLOWING:*

Steel pipes shall be galvanized where shown on the Drawing

##### **PSL3.9.2.2 Steel pipes of nominal bore over 150mm**

*ADD THE FOLLOWING:*

Steel pipes shall be hot-dip galvanized where shown on the Drawings and as specified in sub-clause 3.9.2.1

#### **PSL3.9.6 Corrosive soil**

*ADD THE FOLLOWING:*

Where shown on the Drawings, steel pipes in contact with corrosive soil shall be wrapped with Densopol 80HT or an equivalent approved product, strictly in accordance with the manufacturer's instructions.

### **PSL3.10 Valves**

#### **PSL3.10.1 Gate Valves**

“All gate valves are to comply with SANS 1200 LK, must be of the “waterworks” type and be suitable for a working pressure of 16 bar. All valves to be clockwise (right hand) closing and the direction of opening and closing should be permanently displayed on the valve casing. Valves should be of the non-rising spindle type and be equipped with a square cap-top suitable for use with a valve spanner. Isolating valves should have a resilient seal rubber-coated gate without a gate recess. All valves will be tested for watertightness. One valve spanner is to be provided for every 10 valves or less.”

### **PSL5 CONSTRUCTION**

#### **PSL5.1.4 Depth and Cover**

*ADD THE FOLLOWING:*

##### **PSL 5.1.4.6 COVER**

“A minimum cover of 800mm is required over the top of pipes inside the road reserve, in street reserves, underneath roads or as specified by levels on long sections and plans. Where instructed, pipes are to be encased in concrete.”

#### **PSL5.2 JOINTING METHODS**

*ADD THE FOLLOWING NEW SUBCLAUSE TO SUBCLAUSE 5.2*

**“PSL5.2.5 Welding of polyethylene pipes**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



All Contractors shall comply with all product and welding standards as set out in the IFPA Code of Conduct and minimum audit requirements. Copies of such documents can be obtained from IFPA and all current IFPA members.

The welding equipment and processes shall comply with the applicable SANS (South African National Standard) for the welding operation as follows:

- The SANS 1671 “series” of standards specifies the requirements for conformance of machines and equipment.
- The SANS 10268 “series” of standards specifies the requirements for conformance of welding processes.
- SANS 10270 Welding of thermoplastics – Approval of welding procedures and welds.

Before work commences the contractor shall be required to obtain approval by conforming to the following:

- SANS 10269 Welding of thermoplastics – Testing and approval of welders
- SANS 10269 Plastics welder Test Piece Certificate
- SANS 10270 Welding of thermoplastics – Approval of welding procedures and welds.

The process of each approval is witnessed by an independent qualified welding inspector (Plastics SA Certificate of Competence “Thermoplastic Welding Inspection” or similar certificate from an accredited institution) who documents conformance on completion, records the approval and certifies it.

Non-destructive visual assessment of the weld shall be conducted in accordance with the following:

- SANS 10268-10 Welding of thermoplastics – Welding processes Part 10: Weld defects.

Destructive testing of the weld shall be conducted in accordance with the following:

- Weld qualification (competence):
- SANS 6269 Welding of thermoplastics – Test methods for welded joints.
- System weld (performance):
- Pipe system standard
- System designed weld factor.

No welding inline of unmarked non-traceable non-conforming product (Components) shall be done.

During the construction of the works, the “last weld” shall be “cut-out”, on a random basis, from the pipeline for visual inspection and destructive testing at a sampling rate as follows:

- 0 – 250 welds 5%
- 250 – 500 welds 3%
- 500 – 1200 welds 2%
- 1200 – 3200 welds 1%
- 3200 – 10000 welds 0,5%

The contractor shall allow for this sampling rate in their tender and in the construction program for the works.

Non-conforming workmanship will be reported and corrected in line with the standards and specific requirement and will be signed off for inclusion in the Welding and Qualification file.”

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



**PSL7 TEST**

**PSL7.3 Standard Hydraulic Pipe Test**

**PSL7.3.1 Test Pressure and Time of Test**

**PSL7.3.1.2 Test Pressure**

*ADD THE FOLLOWING:*

"Before any connections are made, pipes are to be tested to 1.5 times the working pressure of the specific class of pipe. After connections have been done, the complete network is to be tested at the maximum static pressure as specified by the Employer's Agent."

**PSL 8 MEASUREMENT AND PAYMENT**

**PSL8.2 SCHEDULED ITEMS**

**PSL8.2.6 Specials**

*ADD THE FOLLOWING:*

"Where the new works are to be connected to existing pipelines or fittings, all costs associated with the excavation, removal of fittings, cutting in, joining, labour and complete finishing are deemed to be included in the tendered price."

**PSL8.2.11 Anchor blocks/ Thrust blocks and pedestals**

*INSERT "concrete" BEFORE "and" IN THE LAST LINE OF THE LAST PARAGRAPH ADD THE FOLLOWING:*

The offered rates shall also include the wrapping of uPVC pipes and fittings with Densopol 80 or similar approved material where the pipes and fittings come into contact with concrete.

*ADD THE FOLLOWING CLAUSE:*

**"PSL8.2.16 Connection to existing services.....Unit: sum**

The offered sum shall include full compensation for exposing the existing pump station pipework, cleaning up the connection point, dealing with water, supplying and installing a suitable coupling between the new pipe and existing pipes of varying materials, ensuring the water tightness of the new connection, backfilling of the excavations, all labour and equipment required to make the connection, and liaison with the local authorities."

**PSLB BEDDING (PIPES)**

**PSLB2.2 Rigid Pipes**

All steel, clay and concrete pipes shall be laid on a class C bedding as shown on Drawing LB-1 of SABS 1200LB.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**PSLB2.3 Flexible pipes**

uPVC, mPVC and polyethylene pipes will be regarded as being flexible and shall be bedded as per Drawing LB-2 of SABS 1200 LB.

**PSLB3 MATERIAL**

**PSLB3.1 SELECTED GRANULAR MATERIAL**

*REPLACE THE CONTENT OF THIS SUBCLAUSE WITH THE FOLLOWING:*

Selected granular material shall have a PI not exceeding 6 and shall be free from sharp-edged particles exceeding 19mm.

**PSLB3.2 SELECTED FILL MATERIAL**

*ADD THE FOLLOWING:*

Selected fill material used for bedding shall, where indicated on the Drawings be stabilized with 5% cement as specified under subclause PSDB 3.5(c).

**PSLB3.3 Bedding**

*ADD THE FOLLOWING:*

"Class C bedding as applicable to rigid pipes is required. Material for the Class C bedding will only be imported where insufficient suitable material is obtainable from the excavated material. The selected blanket material must cover the pipe by at least 200mm, not 300mm, as specified in the applicable General Specification.

Where large diameter uPVC pipes (> 300mm diameter) are utilized, compaction on either side of the pipe should be carefully done in layers not exceeding 100mm in thickness to ensure that the bedding and pipe act as a "pipe-soil system" to prevent ovality of the pipes occurring during backfilling"

**PSLB3.4 Selection**

**PSLB3.4.2 Suitable Material not available from the trench excavation**

*ADD THE FOLLOWING:*

"Should there, during selective excavation methods (including screening) with the correct tools, still be insufficient suitable material available for the bedding, the material must be imported. The Contractor will find a suitable source of bedding material and submit it to the Employer's Agent for approval.

The finding of a suitable source/quarry/borrow pit, loading, transport, placement and compaction of the imported material is deemed to be included in the rate tendered by the Contractor."

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## PSLB5 CONSTRUCTION

### PSLB5.1.4 Compaction

*ADD THE FOLLOWING:*

"After excavation of the trench, the trench bottom will be levelled by means of a rake and compacted. Compaction may be conducted by hand tools. The required compaction to be achieved must exceed or equal 90% Mod ASHTO density.

After installation of the pipes, similar compaction must be applied to the blanket material. Now the final backfilling to 50mm above the adjacent soil levels may be carried out. The total working area shall then be finished off. Only when specified by the Employer's Agent will sidewalks be finished to specific standards and levels.

Where streets and roads are crossed, compaction of the bedding and backfill must be conducted by mechanical means to achieve a density of 98% Mod AASHTO."

## PSLB6 TOLERANCE ON COMPACTION OF BEDDING MATERIAL

Degree of accuracy II shall prevail.

## PSLB7 TESTING

### PSLB7.1 Density

*ADD THE FOLLOWING:*

"After compaction of the bedding layers inside the trench, each layer shall be tested at 100m intervals. A minimum of 3 test per layer within the 100m interval shall be taken. The Employer's Agent may order additional testing.

Density tests shall not be taken on the bedding - blanket layer material directly above the pipe to mitigate damages imposed by the Troxler or DCP.

The Contractor's quality control records shall be available for inspection at all times. Copies of these records shall be made available on request.

The Contractor shall supply, insure and maintain the following equipment for use by the Employer's Agent's Representative's personnel for the duration of the Contract:

#### (a) Dynamic Cone Penetrometer (DCP) Equipment

The Contractor shall supply two (2) Dynamic Cone Penetrometers (DCP) and an assistant to support testing activities as directed by the Employer's Agent's Representative. The equipment shall include the following components:

- i. Two (2) DCP units, complete with:
  - 1-meter Extension Rod
  - DCP Top Rod, including weight
  - 1-meter Bottom Rod
  - 1-meter, 1.5-meter, and 2-meter Rulers
  - Carrying Bag for DCP

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- Hardened DCP Cone
- Disposable DCP Cone
- DCP Cone Adapter (for disposable cones)
- 8 kg DCP Weight

All equipment shall be in good working condition and meet the specifications required for accurate and reliable testing”

## PSLB8 MEASUREMENT AND PAYMENT

### PSLB8.1 PRINCIPLES

#### PSLB8.1.5 Disposal of displaced material

*REPLACE THE CONTENT OF THIS SUBCLAUSE WITH THE FOLLOWING:*

Material displaced by the pipeline and by imported material from sources other than trench excavation shall be disposed of at an approved site furnished by the Contractor. No haulage is payable for such material.

#### PSLB8.1.6 FREE-HAUL

*DELETE THE WORDS “of 0,5km” IN THE FIRST LINE OF THIS SUBCLAUSE*

### PSLB8.2 SCHEDULED ITEMS

#### PSLB8.2.6 Extra over items 8.2.1 and 8.2.2 for bedding stabilized with 5% cement.....Unit: m<sup>3</sup>

The extent rate shall include full compensation for selecting, mixing, backfilling and compacting the stabilized material to 90% of modified AASHTO density.

*ADD THE FOLLOWING ITEM:*

#### “PSLB8.2.7 Geotextile wrapping around the bedding (Bidim A4 (U24) or approved equivalent; where instructed by the Employer’s Agent) .....Unit: m<sup>2</sup>

The extent rate shall include full compensation for placing the geotextile sheet on the floor of the trench with a sufficient amount of the sheet left along the sides of the excavation to allow for wrapping over the bedding material, and wrapping the material over the finished bedding material after it has been sufficiently compacted.

*ADD THE FOLLOWING ITEM:*

#### “PSLB8.2.8 450mm hard fill pioneer layer (dump rock) at the bottom of trenches (where instructed by the Employer’s Agent) with 100mm max. aggregate size. To be compacted with a vibrating roller until settlement of <10mm is achieved .....Unit: m<sup>2</sup>

The offered rate shall include full compensation for excavation, placing and supplying all the necessary materials, compaction, removing surplus material, and all labour and equipment required and providing all as specified. Suitable compaction will be obtained when the surveyed level of a steel plate placed at a point on the dump rock layer, lowers by less than 10mm after being passed over by a vibrating roller

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**PSMK KERBING AND CHANNELLING**

**PSMK3 MATERIALS**

**PSMK3.1 CONCRETE**

*ADD THE FOLLOWING:*

The Contractor shall timeously submit the concrete mix design for cast-in-situ kerbing to the Employer's Agent for approval and no kerbing shall be placed before the mix design has been approved.

**PSMK5 CONSTRUCTION**

**PSMK5.11 TRANSITION SECTIONS AND INLET AND OUTLET STRUCTURES**

*DELETE THE WORDS "and with the requirement of the Project Specification" IN THE SECOND PARAGRAPH*

**PSMK7 TESTING**

**PSMK7.2 CAST-IN-SITU AND EXTRUDED KERBING AND CHANNELLING**

**PSMK7.2.1 General tests**

*DELETE THIS SUBCLAUSE*

**PSMK7.2.2 Alternative tests**

*REPLACE THE HEADING AND CONTENTS OF THIS SUBCLAUSE WITH THE FOLLOWING:*

**PSMK7.2.2 Tests**

The Contractor shall carry out a minimum of three cube crushing tests per 1000m of kerbing placed. The cost of such tests shall be included in the rates offered for kerbing.

One cube crushing test shall consist of a set of six cubes made with concrete taken from the mixer, the kerbing machine or from any part of the work as ordered.

If, after 28 days in an approved laboratory, after three cubes of any set of six cubes have been tested, the average crushing strength is found to be more than 3MPa below the specified strength, kerbing represented by the cubes will be rejected.

The Contractor may apply for resubmission of the rejected section on the basis of cores drilled from this section and tested for the estimated actual crushing strength in accordance with SABS method 865 (excluding Appendix A). The cost of drilling and testing the cores is for the Contractor's account, regardless of the outcome of the tests on the cores. The number of cores required will be determined by the Employer's Agent and the criterion for rejection or acceptance of the section represented by the cores shall be as specified above for cubes.

**PSMK7.3 RESPONSIBILITY FOR THE COST OF TESTING**

*DELETE THIS SUBCLAUSE*

**PSMK8 MEASUREMENT AND PAYMENT**

**PSMK8.2 SCHEDULED ITEMS**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**PSMK8.2.1 Concrete kerbing**

*REPLACE “5.8.2” IN THE THIRD LINE OF PARAGRAPH (e) WITH “5.8.3”*

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

CONTRACT NO.

VCW380/PWLPLM/24

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

### **SECTION C3.3**

#### **PROJECT SPECIFICATIONS**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

## MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

### PORTION 2: CONTRACT

#### PART C3.3.1

#### General Project Specifications

The Project Specifications (PS) form an integral part of the contract and supplement the Standard Specifications. They contain a general description of the works, the site and the requirements to be met.

In the event of any discrepancy between a part or parts of the Standard or Particular Specifications and the Project Specification, the Project Specification shall take precedence. In the event of a discrepancy between the Specifications (including the Project Specifications) and the drawings and/or the Bill of Quantities, the discrepancy shall be resolved by the Employer's Representative before the execution of the work under the relevant clause or item.

- PS 1 CONSTRUCTION PROGRAMME
- PS 2 SITE FACILITIES AVAILABLE
- PS 3 SITE FACILITIES REQUIRED
- PS 4 FEATURES REQUIRING SPECIAL ATTENTION
- PS 5 INFORMATION SUPPLIED BY EMPLOYER
- PS 6 EXTENSION OF TIME ARISING FROM ABNORMAL RAINFALL
- PS 7 CERTIFICATES OF PAYMENT
- PS 8 CONSTRUCTION IN LIMITED AREAS
- PS 9 NON-WORKING DAYS
- PS 10 SPOIL MATERIAL PS 11 DRAWINGS
- PS 12 LENGTH OF TRENCHES
- PS 13 SAMPLES
- PS 14 MANUFACTURER'S INSTRUCTIONS
- PS 15 MATERIALS AND PLANT
- PS 16 NOTICES, SIGNS, BARRICADES AND ADVERTISEMENTS
- PS 17 SETTING OUT OF WORK
- PS 18 WORKMANSHIP AND QUALITY CONTROL

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



- PS 19     TRANSPORT OF MATERIAL
- PS 20     LIAISON WITH LOCAL AUTHORITIES
- PS 21     LOCAL LABOUR AND LOCAL SUBCONTRACTORS
- PS 22     TRAINING SCHEMES
- PS 23     PRESCRIPTIONS IN RESPECT OF EXISTING SERVICES
- PS 24     EMPLOYER 'S AGENT
- PS 25     PROCUREMENT

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## PS 1: CONSTRUCTION PROGRAMME

It is a prerequisite of this contract that minimal disruption of the public is ensured during construction. Construction methods must be of such a nature that no property or life is endangered. The Employer accepts no responsibility for any work done outside the site boundaries without the Employer's Agent's approval. The Contractor himself is responsible for liaison and arrangements with the Employer's Agent in connection with the finalization and approval of the construction programme.

The Contractor is responsible for liaison with residents and homeowners via the Project Steering Committee with respect to the programming of construction through private erven and the crossing of driveways to erven. No additional payment will be made in this regard, and it shall be deemed to be covered by the relevant items.

Sufficient digital photographs of all existing structures and obstructions in the pipeline routes must be taken by the Contractor, compiled electronically, indexed and handed over to the Employer's Agent before construction commences. A special payment item is included for a digital photo record in the Schedule of Quantities under other fixed-charge obligations.

The Contractor shall submit a programme of work to the Employer's Agent not later than 14 (fourteen) days after the Contractor has been notified of the acceptance of his tender. This programme must take into account, and allow for phased completion of the work. The Employer's Agent may instruct the Contractor to stop construction work at any stage and time, as may be dictated by financial constraints highlighted by the Employers Cost Control Programme.

If necessary, the Employer's Agent may instruct the Contractor to adjust his programme to suit other activities.

The programme shall not be in the form of a bar chart only, but shall clearly show the anticipated quantities, the production rates and the value of work to be performed each month.

A network-based programme according to the precedence method shall also be provided showing the various activities and critical path in such detail as may be required by the Employer's Agent. The programme shall be updated monthly in accordance with the progress made by the Contractor.

Failure to comply with these requirements will entitle the Employer's Agent to use a programme based on his own assumptions for the purpose of evaluating claims for extension of time or additional payments.

If the programme submitted by the Contractor in terms of Clause 5.6.1 of the General Conditions of Contract, 2025, has to be revised because the Contractor is falling behind in his programme, he shall submit a revised programme of how he intends to regain lost time to ensure completion of the Works within the period defined in Clause 5.3.3 of the General Conditions of Contract or within a granted extension of time. A proposal to increase the tempo of work must incorporate positive steps to increase production either by more labour and plant on the site, or by using the available labour and plant in a more efficient manner.

Failure on the part of the Contractor to submit or to work according to the programme or revised programmes shall be sufficient reason for the Employer's Agent to take steps as set out in Clause 9.2 of the General Conditions of Contract.

The approval by the Employer's Agent of a programme shall have no contractual significance other than the Employer's Agent will be satisfied if the work is carried out according to the programme. The said approval shall not limit the right of the Employer's Agent to instruct the Contractor to vary the programme if necessary. The Contractor shall allow for the effect of normal rainfall and special non-working days in his programme.

### (CRITICAL PATH MUST BE INDICATED ON PROGRAMME)

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## **PS 2: SITE FACILITIES AVAILABLE**

### **PS 2.1: Campsite**

The Contractor shall negotiate with property owners and make his own arrangements to obtain sites for the erection of offices, laboratories, yards, etc. Written approval must be obtained from the owners on whose property the camp is to be situated. The choice of all sites for the establishment of camps is subject to the approval of the Employer's Agent. Campsites within the road reserve will not be permitted.

### **PS 2.2: Water, electricity and sewage**

The Contractor shall make his own arrangements concerning the supply of electrical power, water, telephone and all other services, both for use at the site establishment area as well as for the use in the construction of the Works. No direct payment shall be made for the provision of any service and the cost thereof shall be deemed to be included in the rates tendered for the various items of work for which these services are required.

### **PS 2.3: Rain gauge**

The contractor must set up his own rainfall gauge. This item is included in the Schedule of Quantities under other fixed-charge obligations.

## **PS 3: SITE FACILITIES REQUIRED**

### **PS 3.1: Facilities for the Employer's Agent**

An office is required for the use of the Employer's Agent representative on site. (See SABS 1200 AB and as amended in the project specifications).

It will be a requirement of this contract that all work pertaining to the provision of the office of the Employer's Agent shall be completed in full prior to the Contractor being permitted to commence work on site.

The Contractor shall provide one dedicated parking area for the Employers agent representative for exclusive use. The Parking area should be covered with suitable covering to provide 100% shade.

A male and female ablution facility with a hand wash basis shall be made available for exclusive use for the Employer's Agent and Employer.

### **PS 3.2: Equipment for Employer's Agenting staff**

The Contractor shall allow for providing the following protective clothing for the Employer's Agenting staff:

- Long sleeve high visibility vests
- hard hats (white)
- Sets of safety boots

The contractor shall supply the Employer's Agent with a Business cell phone and be responsible for the monthly running cost, and other costs relating to the use of the cell phone.

### **PS 3.3: Water, electricity and sewage**

The Contractor shall, at his own expense, be responsible for obtaining and distributing the water and electricity required for construction and domestic use. The distribution of water and electricity shall be carried out in accordance with the applicable laws and regulations.

No separate payment will be made for obtaining and distributing water and electricity, the cost of which will be deemed to be included in the tendered rates.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

#### **PS 3.4: Site instruction book**

A triplicate book shall be provided by the Employer's Agent to be used for site instructions. It shall at all times be kept on the site.

#### **PS 4: FEATURES REQUIRING SPECIAL ATTENTION**

##### **PS 4.1: Access to properties**

The Contractor shall organize the work in such a manner as to cause the least possible inconvenience to the public and to the property owners adjacent to or affected by the work included in this contract.

If, as a result of restricted road reserve widths and the nature of the works, the construction of bypasses is not feasible, construction shall be carried out under traffic conditions in order to provide access to the erven and properties.

The Contractor may, with the approval of the Employer's Agent, make arrangements with the occupiers of the affected erven and properties to close off a portion of a street, road, footpath or entrance temporarily, provided the Contractor duly notifies the occupiers of the intended closure and its probable duration and shall, as punctually as possible, re-open the route at the prescribed time. Where possible, the road shall be made safe and re-opened to traffic overnight. Any such closure shall be made by arrangement between the Contractor and the occupiers and shall not absolve the Contractor from his obligations under the contract to provide access at all times. Barricades, traffic signs and drums shall be provided by the Contractor to suit the specific conditions. The Contractor shall also comply with all the requirements of the Local Authority regarding safety, signage, and public notices.

##### **PS 4.2: Existing residential areas**

Access to the adjacent residential areas shall be maintained at all times, as shall access to individual houses.

Electricity and water supply interruptions to existing residential areas shall be kept to a minimum. Whenever it is necessary to interrupt these supplies, the Employer's Agent's approval shall first be obtained. The affected residents shall then be notified in writing at least 3 days, but not more than 5 days in advance. Supplies shall be normalized by 16:00 on the same day.

Cognizance shall be taken by the Contractor of the possibility of residents from the adjacent residential areas having access, whether authorized or not, to the works. It is strongly emphasized that under no circumstances shall any claims be considered for delays or disruptions as a result of the presence of residents from the adjacent occupied areas.

##### **PS 4.3: Facilities to other Contractors**

In addition to the requirements of clause 5.4.2 of the General Conditions of Contract, the Contractor must make allowance for the presence of other Contractors engaged on other contracts on the site, which may involve, inter alia, the adoption of his programme to fit in with work to be done by the other Contractors, as well as assuring other Contractors access to their sites along prescribed routes which may fall within the site of this contract.

##### **PS 4.4: Contractor's vehicles**

All equipment and vehicles used by the Contractor shall be roadworthy at all times and all drivers and operators shall be in possession of valid drivers' licenses.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

#### PS 4.5: Site maintenance

During the progress of the work and upon its completion, the site of the works shall be kept and left in a clean and orderly condition. The Contractor shall at all times store materials and equipment for which he is responsible in an orderly manner, and shall keep the site free from debris and obstruction. Workers shall lunch or have tea breaks only in a designated area with approved refuse and toilet facilities.

No open fires shall be permitted on the site.

Vehicles and workers must adhere to property-demarcated access routes and not take or make shortcuts.

#### PS 4.6: Testing and quality control

The Contractor shall engage the services of an approved independent testing laboratory for the testing of materials and the quality testing of layer works, to ensure that his work conforms to the specifications.

No separate payment will be made for such testing by an approved independent laboratory; the costs of such testing will be deemed included in the Contractor's tendered rates for the various items of work requiring testing in accordance with the specifications.

Certificates shall be submitted to the Employer's Agent for all materials and equipment included in the works, where applicable.

#### PS 4.7: Subcontractors

The Contractor is responsible for work carried out on his behalf by subcontractors. The Employer's Agent will not liaise directly with such subcontractors, and all problems relating to payments, programming, workmanship, etc, shall be the concern of the Contractor and the subcontractor, and the Employer's Agent will not be involved.

Selected sub-contractors pertaining to the procurement, supply and installation of HDPE using trenchless methods are to be managed by the main Contractor.

Attendance to sub-contractors is to comply with the Conditions of Contract.

#### PS 4.8: Existing Services

Before the Contractor commences operations, he must discuss with and have the approval of the Employer, authority or owner concerned regarding the method he proposes to use for relocating or safeguarding any services and existing works he may encounter during construction.

The positions of existing services shown on the Drawings are given in good faith and no guarantee can be given that:

- (a) these services actually are in the approximate positions indicated.
- (b) that these are the only services in the vicinity, and
- (c) that the nature and description of these services are correct.

Attention is drawn to the fact that whilst the position of the existing pipelines in servitudes, as well as other services in the vicinity of servitudes, and all other services are indicated on the drawings have been provided as accurately as possible, this information may not be completely accurate and it will be necessary for the Contractor to communicate with the service providers and to prove, trace and expose services which the Contractor has been made aware of as a result of his interaction with service providers. The Contractor shall coordinate meetings with all relevant service providers before construction commences and take all the necessary steps to ascertain the location of existing services before commencing work on any section of the Works. The rates tendered for the location of services and proving of same as well as the updating of existing records of services, shall be deemed to include for these meetings.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

The Contractor shall establish at the meetings with service providers, the lead times required to update records and he shall include for this activity in his Construction Programme.

The Contractor shall take all the necessary steps to ascertain the location of existing services before commencing any section of the Works and shall exercise the greatest care when working in the vicinity of such services. Before commencing his operations in any particular area, the Contractor shall request the latest available drawings from the relevant local Service Authorities, showing the location of their services already installed. The Contractor shall ensure that adequate time is allowed for making contact with the relevant Service Authorities in order for them to respond meaningfully. The Contractor shall compare the latest service locations obtained from the Service Authorities with the drawings provided for construction and where required, such construction drawings shall be updated. The Employer's Agent shall be notified of any changes in service locations found on the construction drawings.

The Contractor shall take all necessary steps to protect any existing works or service whatsoever, against damage which may arise as a result of his operations on Site. The Contractor shall bear the cost of the repair of damage to any known service, the possible existence of which could reasonably have been ascertained by him beforehand.

The Contractor shall make allowance for wayleave applications under "other fixed charge obligations" in Section 1 of the BOQ.

The Contractor shall procure the required equipment which will enable him to prove services.

The Contractor shall locate existing pipes, optic fibres cables, electric cables and/or any other services by hand excavation without the use of picks, to minimise the risk of damaging existing services. The Contractor shall be held responsible for any damage caused to existing services that can reasonably be traced and located.

Whilst the location of power, telephone and optic fibre cables, as well as pipelines and other services are indicated on the plan and longitudinal section drawings, this may not be comprehensive. It is the Contractor's responsibility to obtain the latest known information on services, at all times.

It is a requirement of this contract that the Contractor exposes and proves every known service within the advance work front ahead of any work being performed, in order to determine whether its level or location clashes with the designed grading of the pipeline or with the coordinates of the proposed road alignment. All services are to be proved in conjunction with each service provider prior to excavation. Such proving shall be timed to coincide with the requirements of the programme and the limitations on the length of work fronts as specified.

The cost of this work is to be included in the tendered rates for trench excavation or any other excavation and all tendered rates shall be deemed to include for the exposing of known services and the proving of its location. No additional payment will be considered for the exposing and proving of services as payment for this shall be deemed to be included in existing payment items as specified in the Bill of Quantities for all types of excavation and the Lump Sum provided for this purpose under Preliminary and General. The item for excavation by hand to expose unknown and known services where instructed by the Employer's Agent is for use by the Employer's Agent only on an as-and-when-required basis.

The Contractor shall be required to prove each and every service, indicating X, Y and Z coordinates. Claims for delays etc. arising from non-compliance with this requirement will not be entertained.

In addition to the marking/pinpointing of known services, the Contractor is to screen the line of the proposed excavations by means of appropriate electronic tracing apparatus for other buried services, such as pipes or cables that may not be shown in services records. All services found in this manner shall be classified as known services and shall be proved as set out above.

Service connections to individual erven are to be located and handled in a manner acceptable to the Employer's Agent. Located and proved services are deemed to be known services.

Should any services which are not on the existing services layout drawings be located, the Contractor shall add the new information to the services layout drawings in order for the employer to update his information. All tendered rates for trench excavations and road works shall include the location of services and the updating of

|            |           |           |          |           |           |
|------------|-----------|-----------|----------|-----------|-----------|
|            |           |           |          |           |           |
| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |

services drawings for the Employer.

The Contractor shall be responsible for immediately notifying the Employer's Agent and the authorities concerned regarding any damage caused to public services and existing works.

Any alteration to public services shall be carried out by the Authority concerned unless the Contractor is instructed otherwise.

The Contractor shall provide the necessary assistance during any operations necessary in connection with the removal, alteration or safe-guarding of any public service.

#### PS 4.9 Safety

The Contractor shall apply suitable proven methods for construction so that his activities will not constitute a hazard to the public or any adjacent property. All excavations shall be suitably safeguarded and barricaded especially during night time, weekends or holidays and any other day of inactivity by the Contractor.

#### PS 5: INFORMATION SUPPLIED BY EMPLOYER

Certain information contained in these contract documents, or provided separately, is being offered in good faith. However, in the circumstances pertaining to the type of information supplied, no guarantee can be given that all the information is necessarily correct or representative. More specifically this applies to all material surveys and reports and similar information, the accuracy of which is necessarily subject to the limitation of testing, sampling, the natural variation of material or formations being investigated and the measure of confidence with which conclusions can be drawn from any investigations carried out. It also applies to the positions of existing services as indicated on the drawings.

The Employer accepts no liability for the correctness or otherwise of the information supplied or for any resulting damages, whether direct or consequential, should it prove during the course of the contract that the information supplied is either incorrect or not representative. Any reliance placed by the tenderer on this information shall be at his own risk.

#### PS 6: EXTENSION OF TIME ARISING FROM ABNORMAL RAINFALL

If abnormal rainfall or wet conditions occur during the course of the Contract, the Employer may grant an extension of time in accordance with Clause 5.12 of the General Conditions of Contract, calculated in accordance with the formula given below for each calendar month or part thereof:

$$V = (Nw - Nn) + (Rw - Rn)/X$$

If V is negative and its absolute value exceeds Nn, then V shall be taken as equal to minus Nn.

The symbols shall have the following meanings:

V = Extension of time in calendar days for the calendar month under consideration.  
 When the value of V for any month exceeds the number of days in the particular month, V will be the number of days in the month.

Nw = Actual number of days in the calendar month on which a rainfall of Y mm or more were recorded.

Nn = Average number of days, derived from existing rainfall records, on which a rainfall of Y mm or more were recorded for the calendar month.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



$R_w$  = Actual rainfall in mm recorded on the Site in an approved rain gauge for the calendar month under consideration.

$R_n$  = Average rainfall in mm for the calendar month, derived from existing rainfall records.

The total extension of time is the algebraic sum of all the monthly totals for the period under consideration, but if the total is negative, the time for completion will not be reduced on account of subnormal rainfall. Extensions of time for part of a month will be calculated by using pro rata values for  $N_n$  and  $R_n$ .

The factor  $(N_w - N_n)$  is considered a fair allowance for variations from the average number of days during which the rainfall exceeds Y mm.

The factor  $(R_w - R_n)/X$  is considered a fair allowance for variations from the average number of days during which the rainfall did not exceed Y mm but wet conditions prevented or disrupted work.

The average rainfall record for the past 10 years at the nearest rainfall station shall be for the purposes of this Contract are taken as normal rainfall refer to table below.  $R_n$  and  $N_n$  for this period shall be used and the values of X and Y are 20 and 10 respectively.

The average number of days on which 10 mm of rain or more has been measured by the weather station at Maluti-a-Phofung LM were used to determine the monthly averages ( $R_n$  and  $N_n$ ) for this period and shall for the purposes of this Contract be taken as normal.

| Month     | $N_n$ (Days) | $R_n$ (mm) |
|-----------|--------------|------------|
| January   | 3            | 100        |
| February  | 2            | 77         |
| March     | 2            | 61         |
| April     | 2            | 49         |
| May       | 1            | 22         |
| June      | 0            | 12         |
| July      | 0            | 6          |
| August    | 1            | 14         |
| September | 0            | 13         |
| October   | 1            | 48         |
| November  | 2            | 70         |
| December  | 3            | 98         |
| Total     | 17           | 570        |

## PS 7: CERTIFICATES OF PAYMENT

It was agreed that the master copy of the payment certificates would be drawn up and processed by the Contractor. All costs to this effect, as well as reproduction costs shall be to the account of the Contractor. It was agreed that the first month's certificate will be evaluated and if in order, the same format will be used throughout the contract.

Measurement for payment purposes will take place between the 15th and 20th of each month. The Contractor needs to submit his monthly payment claim to the Employer's Agent by the 26th of each month.

Should any of these noted dates fall on a non-working day or a special non-working day, the following working day shall be applicable.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



## PS 8: CONSTRUCTION IN LIMITED AREAS

In certain cases, working space may be limited. The method of construction in these restricted areas will depend largely on the Contractor's plant. However, the Contractor must note that measurement and payment will be according to the specified cross-sections and dimensions irrespective of the method used to achieve these cross-sections and dimensions, and that the rates and prices tendered shall be deemed to include full compensation for any difficulty encountered while working in limited areas and narrow widths, and that no extra payment will be made, nor will any claim for payment due to these difficulties be considered.

## PS 9: NON-WORKING DAYS

The Contractor shall not work on Sundays or on the following statutory Public Holidays: New Years Day, Human Rights Day, Good Friday, Family Day, Freedom Day, Workers Day, Youth Day, National Women's Day, Heritage Day, Day of Reconciliation, Christmas Day and Day of Goodwill. Whenever any of the above statutory Public Holidays fall on a Sunday, the following Monday shall be a Public Holiday.

## PS 10: SPOIL MATERIAL

Disposal of spoil and surplus material needs to conform with the requirements of the Environmental Specification.

Spoil may only be dumped at registered spoil disposal sites and the Contractor is responsible for determining which registered sites he/she would like to utilise.

All costs pertaining to removal and dumping of spoil are to be included in the Contractors rates for the construction of the Works.

The Employer will not accept spoiling on a third-party property, regardless of arrangements concluded upon between the Contractor and such third-party property owner, as spoiling needs to conform with legislative environmental requirements and short-term arrangements normally do not see such requirements being met.

## PS 11: DRAWINGS

The drawings issued to Tenderers as part of the tender documents must be regarded as provisional and preliminary for the Tender's benefit to generally assess the scope of work and to develop his pricing strategy. These drawings are marked as "Tender Drawings".

The construction of the Works shall be carried out against drawing revisions marked as "for construction purposes". The Contractor has to ensure that he always refers to the latest construction drawing revision issued by the Employer's Agent.

The Employer's Agent shall, at commencement of the Contract, deliver to the Contractor, copies of the construction drawings and any associated instructions required for the commencement of the Works.

The Employer's Agent may issue, from time to time, during the construction of the Works, revisions to previously issued drawings as may be required for adequate construction and completion of the Works. The Contractor shall ensure he has a drawing register listing the revisions of each drawing issued.

The drawings for the construction of the Works have been prepared by the Employers Agent

The contractor shall be supplied with two sets of A1 hard copies of the construction drawings. The Contractor shall at his own costs produce additional copies required for the construction of the work.

All "as built" information, as listed below, must be submitted to the Employer's Agent's Representative before a certificate of completion will be issued. No separate payment will be made for the "as built" drawings

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

List of "as built" information required

- (a) Exact coordinates or chainage on the centre line of the pipeline including the information regarding parallel or crossing of electrical, Telkom, Sewer and irrigation services.
- (b) Exact coordinates, cover levels and invert levels of all construction work

A Registered Land Surveyor must provide the above information.

In addition to the above, the Contractor must submit the As-Built drawings in both PDF and DWG formats. The manhole survey information must be provided in CSV format.

Only figured dimensions shall be used on the drawings; scaling from the drawings is not permitted unless explicitly instructed by the Employer's Agent.

If any figured dimensions are omitted from the drawings, the Employer's Agent will supply the necessary details.

**Repair Records and Close-Out Information**

For each completed repair or intervention, the Contractor shall submit a minimum close-out record including the date, location, description of defect, pipe material and diameter if determined, repair method used, fittings and materials incorporated, test results where applicable, photographs before and after repair, reinstatement status, and any further defects or residual risks observed.

The format and level of detail of such records shall be as prescribed by the Employer or Employer's Agent and shall be a condition for certification of payment for the relevant work item or work assignment.

**PS 12: LENGTH OF TRENCHES**

Where no limitations are imposed by construction stages and unless otherwise permitted in writing by the Employer's Agent, not more than 200 m of trench in any one place shall be opened in advance of pipe laying operations.

No trench may be left open over the builders' holidays.

**PS 13: SAMPLES**

The Contractor shall at his own cost, supply all samples or tests that may be required. Material or work not conforming to the approved tests shall be rejected. The Employer's Agent reserves himself the right to submit samples to any tests to ensure that the material represented by the sample conforms to the requirements of the specifications. The cost of all tests failed shall be for the Contractor's account.

**PS 14: MANUFACTURER'S INSTRUCTIONS**

The recommendations of the manufacturers of patented materials must be strictly adhered to regarding the use, mixing, application, fastening, etc. thereof except when otherwise instructed in writing by the Employer's Agent.

**PS 15: MATERIALS AND PLANT**

The contractor, when using materials that are required to comply with any standard specification, shall, if so ordered, furnish the Employer's Agent with certificates of compliance.

Where so specified, materials shall bear the official mark of the appropriate authority. Samples ordered or specified shall be delivered to the Employer's Agent's office on the site free of charge.

Where proprietary products have been specified, similar products may be used subject to the prior written approval of the Employer's Agent.

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Unless otherwise specified, all proprietary materials shall be used and placed in strict accordance with the relevant manufacturer's current published instructions.

Unless anything to the contrary is specified, all manufactured articles or materials supplied by the contractor for the permanent works shall be unused.

Existing structures on the site shall remain the property of the employer and except as and to the extent required elsewhere in the contract, shall not be interfered with by the contractor in any way.

Materials to be included in the works shall not be damaged in any way and, should they be damaged on delivery or by the contractor during handling, transportation, storage, installation or testing they shall be replaced by the contractor at his own expense.

All places where materials are being manufactured or obtained for use in the works, and all the processes in their entirety connected therewith shall be open to inspection by the Employer's Agent (or other persons authorised by the Employer's Agent) at all reasonable times, and the Employer's Agent shall be at liberty to suspend any portion of work which is not being executed in conformity with these specifications.

The contractor shall satisfy himself that any quarry selected for use provides the necessary mined material in accordance with the specification.

#### **PS 16: NOTICES, SIGNS, BARRICADES AND ADVERTISEMENTS**

The Contractor shall erect the necessary signs, notices and barricades for the duration of the contract in order to safeguard both the works and the public.

Notices, signs and barricades as well as advertisements may be used only upon approval by the Employer's Agent, and the Contractor shall be responsible for their supply, erection, maintenance and ultimate removal and shall make provision for this in his tendered rates.

The Employer's Agent shall have the right to have any sign, notice or advertisement moved to another position or to have it removed from the site of the works, should it in any way prove to be unsatisfactory, inconvenient or dangerous to the general public.

Such notices, signs and barricades shall be provided and erected at the Contractor's own expense.

The standard name board of the South African Association of Consulting Employer's Agents is specified. The cost of which shall be included in the rates tendered for items 1300 (COLTO) of the Schedule of Quantities.

#### **PS 17: SETTING OUT OF WORK**

Reference and level beacons will be shown to the Contractor by the Employer's Agent at the commencement of the Contract and the Contractor will be responsible for transferring the data to the Site of Works.

The Contractor shall check the condition and accuracy of all reference and level beacons and satisfy himself that they have not been disturbed and are true with regard to position and level. A beacon that has been disturbed shall not be used until its true position and level have been re-established and the new values have been certified by the Employer's Agent. The Contractor shall thereafter be held entirely responsible for the protection of all reference and level beacons.

The Contractor shall employ a capable surveyor to set out the Works to the required lines and levels. The Employer's Agent shall be informed immediately should any discrepancy be discovered between the levels or dimensions obtained by the Contractor and those shown on the drawings.

Where a beacon is likely to be disturbed during construction operations, the Contractor shall establish suitable reference beacons at locations where they will not be disturbed during construction. No beacons shall be covered over, disturbed or destroyed before accurate reference beacons have been established and details of the positions and levels of such beacons have been submitted to the Employer's Agent. The Contractor's

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reference beacons shall be of at least the same accuracy and sturdiness of construction as the existing beacons.

The Contractor shall submit the method of setting out he proposes to employ to the Employer's Agent. Accurate control of line and level shall be provided by the Contractor at all stages of construction. Work set out by the Contractor may be checked by the Employer's Agent and any errors found shall be rectified by the Contractor at his own expense.

The Contractor shall supply any instrument, equipment, material and labour required by the Employer's Agent for this survey work. Any assistance, including checking given to the Contractor by the Employer's Agent or any setting out done by the Employer's Agent for Contractor shall not be held as relieving the Contractor of his responsibility for the accurate construction of the Works.

The Contractor's survey instruments and survey equipment shall be suitable for the accurate setting out of the Works and shall be subject to the approval of the Employer's Agent. They shall furthermore be checked and correctly adjusted by the authorized agents before the commencement of the contract and subsequently when required by the Employer's Agent and when otherwise necessary.

When required the Contractor shall, at his own expense, provide two labourers to assist the Employer's Agent. The

Employer's Agent shall have the sole right to approve of such a labourer.

Survey work shall not be measured and paid for directly and compensation for the work involved in setting out shall be deemed to be covered by the rates tendered and paid for the various items of work included under the contract.

#### **PS 18: WORKMANSHIP AND QUALITY CONTROL**

The onus to produce work which conforms in quality and accuracy of detail to the requirements of the Specifications and Drawings rests with the Contractor, and the Contractor shall, at his own expense, institute a quality-control system and provide experienced Employer's Agents, foremen, surveyors, materials technicians, other technicians and technical staff, together with all transport, instruments and equipment, to ensure adequate supervision and positive control of the works at all times.

The costs of all supervision and process control, including testing thus carried out by the Contractor shall be deemed to be included in the rates tendered for the related items of work.

The Contractor's attention is drawn to the provisions of the various standardized specifications regarding the minimum frequency of testing that will be required for process control. The Contractor shall, at his own discretion, increase this frequency where necessary to ensure adequate control.

On completion of every part of the work and submission thereof to the Employer's Agent for examination, the Contractor shall furnish the Employer's Agent with the results of all relevant tests, measurements and levels to indicate compliance with the specifications.

#### **PS 19: TRANSPORT OF MATERIAL**

All costs of transporting material shall be included in the applicable tendered rates.

#### **PS 20: LIAISON WITH LOCAL AUTHORITIES**

The Contractor will have to liaise with local authorities regarding the following matters:

- (a) Dealing with traffic.
- (b) Locating of existing underground services.
- (c) Protection of existing services during construction.

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All the relevant authorities were notified of above operations. It is then the Contractor's onus to immediately contact all these authorities and to accommodate their involvement in his programme of work. The Contractor should also warn the authorities at least 48 hours before the actual work commences. Compensation for delays, losses or accidents will not be considered should the Contractor at any time have failed to keep the local authorities informed.

The Employer's Agent or Employer must immediately be notified, should the Contractor experience any problem regarding work which involve a local authority.

The Contractor will be required to take cognisance of and comply with the general wayleave and 'permission to occupy' requirements of the authorities and land owners during the construction of the Works.

The Contractor will be required to confirm that he has notified property owners and authorities of his intentions to exercise his right in terms of the relevant wayleave or "permissions to occupy" in good time before commencement of the required work on the said properties.

## **PS 21 LOCAL LABOUR AND LOCAL SUBCONTRACTORS**

### **PS 21.1 Introduction**

It is envisaged that the works will be constructed by one Contractor employing local labour to construct the work by applying the principles of the Expanded Public Works Programme (EPWP).

### **PS 21.2 Workload**

The Contractor is required to execute certain components of this contract with labour-based construction methods as described in paragraph PS 21.5.

### **PS 21.3 Local Labour**

It is the intention that this Contract should make maximum use of the local labour force that is presently under-employed. To this end, the Contractor is expected to limit non-local employees to key personnel only and to employ and train local labour on this Contract.

The Contractor shall complete Form T2.2.5 and state how many non-local key personnel he intends to employ in the various categories. The numbers stated on the above-mentioned form will be strictly controlled during the Contract period and any increase in numbers is subject to the approval of the Employer.

A Project Steering Committee (PSC) has been formed and consists of representatives of the affected community, Maluti-a-Phofung Local Municipality and the Employer's Agent. The PSC is up to date with the details of the project and appointment of all local labour must be through the PSC.

The Contractor will be required to arrange his own documentation regarding a contract for locally employed labour and must include provisions for the Occupational Health and Safety Act (1993) and the Compensation for Occupational Injuries and Diseases Act. The minimum daily wage to be paid in accordance with the Wage Bill for the geographical area shall be as stated in the Government Gazette in terms of Wage Determination for the Civil Engineering Industry.

### **PS 21.4 Contractors Obligations**

The Contractor is to supply the Employer's Agent with copies of the agreements between himself/herself and his/her subcontractors within twenty-one (21) days of the contract being awarded.

Should the Contractor be unable to or unwilling to:

- i) Subcontract the required Works as detailed in his/her tender document;
- ii) Submit the necessary documentation to prove that he/she is subcontracting the work as specified in

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paragraph PS 25.1.

- ii) Implement his/her proposed training scheme or any other scheme agreed to by the relevant parties;

The Employer reserves the right to:

- a) nullify the said contract and re-issue it to tender;
- b) nominate available local subcontractors for the required Works;
- c) deduct payment from the monthly certificates, the value of which will be calculated as follows:

$$X = Y - Z$$

- X = Amount of deduction from the monthly certificate
- Y = Value of the work that should have been undertaken by the subcontractor during the month
- Z = Value of the work actually undertaken by the Subcontractor during the month;
- (d) = Nominate agents to undertake the proposed training at the expense of the Contractor.

#### PS 21.5 Work Considered to be Labour Based

It is a condition of this contract that the following components of work must be executed using labour-based construction methods.

- 1) Excavation of soft/ intermediate / hard material in trenches not deeper than 1,5 m.
- 2) Shaping of open drains.
- 3) Preparation of pipe bedding.
- 4) Laying and jointing of all pipes.
- 5) Backfilling of all trenches with compaction excluded.
- 6) Location of existing services.

Note:

The abovementioned work must either be done by local labourers employed by the Contractor or by local subcontractors. In the Schedule of Quantities, as an alternative to machine excavation, the cost of a compulsory labour-based construction activity is covered by using the standard Colto payment item (where applicable). Site conditions and material present will dictate the application of labour-based trench excavation or machine excavation. A prerequisite for payment of these labour-based excavation items is that the Contractor keeps daily written records with names of labourers, tasks completed, man-hours spent and payments made.

Items excluded from labour-based items:

- 1) Excavation in Boulders and rock material - Mechanical excavators and blasting allowed.
- 2) Compaction of bedding and backfilling - Rollers and plate compactors allowed.
- 3) Transport of materials LDV, dumpers and other transport equipment allowed.
- 4) Mixing of concrete - Mechanical mixers allowed.
- 5) Vibration of concrete - Vibrators compulsory.
- 6) Precast concrete manholes.

#### PS 22 TRAINING SCHEMES

Certain members of the Contractors staff will be selected from the locally recruited employees, to be subjected to training in tasks related to the execution of the contract. An item with a provisional sum to cover the cost of training is included in the Schedule of Quantities.

The PSC will select the trainees and decide upon the specific training for each of them. The Contractor must guide PSC in this regard and make all the necessary arrangements with the training institution and the trainees, to ensure that the process runs smoothly. This training must be completed before the Contractor will receive any payments. The provisional sum in the Schedule of Quantities is to cover the fees of the

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training institution and a R30 per day allowance for each trainee during training. All other costs, including transport of trainees, will be borne by the Contractor and should be included in the percentage handling fee of the Contractor.

## PS 23 PRESCRIPTIONS IN RESPECT OF EXISTING SERVICES

The scope of works for this contract could be affected by existing services. Where necessary the contractor must familiarize himself with the position and extent of existing services and to carry out the works in such a manner as not to cause damage to existing services.

### PS 23.1 Sewer and Storm Water Services

Any cost of repairs, replacement and/or installation of services and equipment resulting from the contractor's negligence or unauthorized action shall be to the contractor's account.

### PS 23.2 Electrical Services

The following procedures will apply:

1. The Contractor will in all instances submit construction drawings to the Electricity Supply Authority (ESA) for comments and for ESA to indicate known electrical services. These drawings will in all instances be available on site during the construction period or in the possession of the supervisor of the construction workers.
2. The cable's precise position on the terrain, with reference to the approximate position as indicated on the drawing, must be confirmed on terrain by means of cable tracing equipment to be supplied or arranged by the Contractor for this purpose. In the case of primary cables (11 kV and 33kV), as indicated on the drawings, it is essential that cable tracing be conducted by ESA. The Contractor will provide sufficient white lime to mark the cable on the ground. The contact persons and telephone numbers for cable tracing personnel shall be obtained from ESA by the Contractor.
3. The Contractor must thereafter, very carefully, open up the cable by hand in at least two places, of which the in-between distances will not exceed 50 meters.
4. At any position, between any two points of the exposed cable, as described in 1.3 above, that cable shall be identified as a known service if it lies within 0,5 meters of a straight line drawn between these two points
5. If the cable lies further than 0,5 meters away from a straight line drawn between the two exposed points, it shall be identified as an unknown service.
6. With reference to the approximate position of cables on the drawing, the Contractor will be responsible for confirming the location of such cables on the terrain by means of the equipment referred to in 1.2 above, and by careful digging by hand. If the exact position of the cables cannot be determined without a doubt, ESA can be approached for help.
7. When existing electrical cables fall within the excavation area of the new service, the Contractor will be responsible for protecting and supporting such cable. During the backfilling of the trench, the Contractor will ensure that the cable is not damaged and repositioned at the original position and depth with the necessary bedding and marker tape.
8. Before any exposed cables are backfilled, such cables shall be inspected for possible damage by the terrain agent, in the presence of the Employer's Agent or his/her representative. A complete record of all positions where cables were exposed must be indicated on the drawing.
9. The Contractor is responsible for keeping a complete record of incidents where electrical cables (known or unknown) were damaged that includes the following:

- Date when damaged and the reason

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- Date when repaired
- The extent of repairs, for instance cable size, number of joints necessary, the length of cable replaced etc
- The exact cable position and depth indicated on the plan

10. The Employer's Agent's representative must check these records. The above-mentioned record will be an annexure to the minutes of the monthly site meetings. All repairs of damaged cables (known or unknown) will be conducted by ESA. The account for repairs done on known services (cables) will be delivered to the Contractor via the Employer's Agent. On the basis of accounts delivered monthly by ESA, the repair cost of a known service (electrical cable) that was damaged, will be recovered from the Contractor's certificate.

#### 12. Overhead Services

Excavation and backfill shall be such that no foundation of overhead structures (power lines, streetlights, high mast lights, stays etc.) will be disturbed. If disturbed, the Contractor will inform ESA in writing and will reinstate the foundation to its original state.

#### 13. Maintenance Period

During the defects liability period, the Contractor's responsibility shall include:

- All electrical cables that were exposed or handled by him
- Excavations in the vicinity of poles and stays, at the time of the construction activities

This makes provision for instances where damaged cables were covered up without informing ESA which may cause many problems later on. The Contractor is responsible for repairing all disturbed poles and stay foundations and reinstating them to their original condition (electrical and structural), as they are disturbed.

### PS24 EMPLOYER'S AGENT

#### PS24.1 EMPLOYERS DESIGN

The Employer is responsible for the design of the permanent works.

#### PS24.2 CONTRACTORS DESIGN

The Contractor is responsible for the design of all temporary works and all construction methods. This includes all tie-ins and interconnecting works, all shoring and lateral support systems required for trenching and protection of the works, as well as protection of existing anchor block systems. It is the Contractor's responsibility to prepare method statements and to prepare designs for the removal, relocation and /or reconstruction of infrastructure and facilities on private properties or properties of parastatals that will be affected by the construction of the Works.

The Contractor is responsible for the development of HDPE welding procedures and certification of welders against such procedures.

#### PS24.3 DRAWINGS

The drawings issued to Tenderers as part of the tender documents must be regarded as provisional and preliminary for the Tender's benefit to generally assess the scope of work and to develop his pricing strategy. These drawings are marked as "Tender Drawings".

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The construction of the Works shall be carried out against drawing revisions marked as "for construction purposes". The Contractor has to ensure that he always refers to the latest construction drawing revision issued by the Employer's Agent.

The Employer's Agent shall, at the commencement of the Contract, deliver to the Contractor, copies of the construction drawings and any associated instructions required for the commencement of the Works.

The Employer's Agent may issue, from time to time, during the construction of the Works, revisions to previously issued drawings as may be required for adequate construction and completion of the Works. The Contractor shall ensure he has a drawing register listing the revisions of each drawing issued.

The drawings for the construction of the Works have been prepared by the Employers Agent.

## **PS25 PROCUREMENT**

### **PS25.1 SCOPE OF MANDATORY SUB-CONTRACTING**

It's Mandatory that the Contractor select local sub-contractors from the affected wards under this Contract. The sub-contractors known as SMME'S shall be mentored by the main contractor.

### **PS25.2 SUB-CONTRACTORS**

Selected sub-contractors pertaining to the procurement, supply and installation of HDPE pipes using trenchless method of construction are to be managed by the main Contractor.

### **PS25.3 ATTENDANCE TO SUB-CONTRACTORS**

Attendance to sub-contractors is to comply with the Conditions of Contract.

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VAAL CENTRAL WATER

CONTRACT NO.

VCW380/PWLPLM/24

MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA

## SECTION C3.4

### PARTICULAR SPECIFICATIONS

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## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

### MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

#### SECTION C3.4

#### PARTICULAR SPECIFICATIONS

##### **C3.4 PARTICULAR SPECIFICATIONS**

The following additional specifications for work not covered by the Standardised Specifications are required for the contract and are included as Addenda to the document.

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## PARTICULAR SPECIFICATION

### SECTION PSRS: RESERVOIR SEALING, WATERPROOFING AND ASSOCIATED REPAIRS

#### PSRS 1 SCOPE

This section covers the inspection, preparation, sealing, waterproofing, local pipework repairs, valve refurbishment or replacement, minor structural repairs, and ancillary works associated with leaking reservoirs, valve chambers, meter chambers and similar water-retaining or appurtenant structures.

The work may include:

- sealing of leaking construction joints and movement joints;
- crack injection and crack sealing;
- application of potable-water approved waterproof coatings;
- local concrete repair to defects, honeycombing and spalled areas;
- repair of leaking inlet, outlet, scour and overflow pipework;
- repair, refurbishment or replacement of altitude, float or level control valves;
- repair of floor drains, sumps and local drainage arrangements;
- repair of leaking hatches, penetrations, vents and access details;
- minor concrete, reinforcement, formwork and grout works;
- local security fence, gate and lock repairs; and
- making good of local plaster, screed and fillets.

This section does **not** include major reservoir reconstruction, full structural rehabilitation, extensive pipeline replacement outside the reservoir or chamber footprint, or full replacement of security fencing unless specifically instructed and measured.

#### PSRS 2 GENERAL

##### PSRS 2.1 Extent of work

All work shall be carried out only where instructed by the Employer's Agent.

Before any sealing, crack injection or coating work is commenced, the Contractor shall inspect the relevant structure and submit the proposed repair sequence, materials and method to the Employer's Agent for approval.

##### PSRS 2.2 Access, cleaning and preparation

The Contractor shall make due allowance for:

- draining down, isolating or working in partially drained structures where required;
- cleaning of the work area;
- removal of loose, friable, contaminated or unsound material;
- safe access to walls, slabs, roofs, chambers and valve pits;
- protection of existing pipework, valves, instruments and coatings;
- collection and lawful disposal of waste materials.

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### PSRS 2.3 Compatibility of materials

All repair and coating materials used in contact with potable water shall be suitable for such use and shall be supported by manufacturer's product data and potable-water suitability certification or equivalent acceptable evidence.

All materials forming part of one repair system shall be compatible with each other and with the existing substrate.

### PSRS 2.4 Sequencing

No waterproof coating shall be applied over:

- active leaks not yet stopped;
- unsound substrate;
- contaminated surfaces;
- laitance, algae, oil or other bond-breaking contaminants.

Joint sealing, crack injection and local defect repairs shall be completed before application of waterproof coatings, unless otherwise approved.

### PSRS 2.5 Included in rates

Unless otherwise stated, the rates for items in this section shall include full compensation for:

- labour;
- plant and equipment;
- access equipment;
- preparation;
- cutting, chasing and cleaning out;
- temporary stopping of seepage where required;
- supply and application of materials;
- curing and protection;
- waste disposal;
- testing and recommissioning where applicable;
- all incidentals necessary to complete the item.

## PSRS 3 MATERIALS AND MINIMUM REQUIREMENTS

### PSRS 3.1 Joint sealing systems

Joint sealing systems shall be proprietary systems suitable for water-retaining structures and appropriate to the nature of the joint and leakage condition. The system may include chase cutting, primers, backing rod, hydrophilic strip, sealant, waterplug mortar, resin injection or a combination thereof as approved.

### PSRS 3.2 Crack injection materials

Crack injection materials shall be suitable for the nature of the crack:

- polyurethane or hydrophilic resin for active or damp leaking cracks;
- low-viscosity epoxy resin for dry structural cracks where appropriate;

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- or other approved crack injection system appropriate to the defect.

### PSRS 3.3 Flexible cementitious waterproof coating

The waterproof coating shall be a **two-component polymer-modified cementitious flexible coating**, suitable for potable-water structures, with the following minimum requirements:

- suitable for application to concrete and cementitious substrates;
- potable-water approved or certified for contact with potable water;
- crack-bridging and flexible;
- applied in a minimum of **two coats**;
- minimum total **dry film thickness of 2.0 mm**;
- applied strictly in accordance with the manufacturer's recommendations.

The substrate shall be sound, clean, free of laitance and contaminants, and brought to the condition required by the manufacturer before coating.

### PSRS 3.4 Repair mortar

Repair mortar shall be an approved **epoxy-modified, polymer-modified or equivalent structural repair mortar** suitable for the substrate and exposure conditions, with good adhesion and low shrinkage.

Unless otherwise approved, this item shall apply to local repairs of shallow defects, honeycombing and spalled areas with an average repair depth not exceeding **25 mm**. Deeper repairs shall be built up in accordance with the manufacturer's recommendations or be measured under the concrete items where appropriate.

### PSRS 3.5 Valves

Altitude, float and level control valves shall be **Bermad or similar approved type**, of equivalent duty and pressure rating, complete with pilots, tubing, fittings, isolating valves and accessories necessary for proper operation.

### PSRS 3.6 Concrete

Concrete shall comply with the relevant standard specifications and shall be of the grades stated in the Bill of Quantities:

- mass concrete: **20 MPa / 19 mm stone**;
- reinforced concrete: **25 MPa / 19 mm stone**;
- water-retaining reinforced concrete: **30 MPa / 19 mm stone**.

### PSRS 3.7 Reinforcement

Reinforcement shall be high tensile steel complete with cutting, bending, binding, placing, laps, chairs and spacers.

### PSRS 3.8 Grout

Grout shall be approved **non-shrink grout** suitable for valve pedestals, plinths, baseplates and similar applications.

## PSRS 4 WORKMANSHIP

### PSRS 4.1 Joint preparation

Joints to be sealed shall be exposed, cleaned out, and prepared by cutting, grinding, raking or other approved means to sound edges and clean surfaces. Active leakage shall be controlled before final sealing.

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#### **PSRS 4.2 Crack preparation and injection**

Cracks shall be mapped, cleaned and prepared. Packers shall be installed at suitable spacing and the crack injected until refusal, consistent flow from adjacent packers, or other satisfactory evidence of filling is obtained. Injection points and surface seals shall then be removed or made good as required.

#### **PSRS 4.3 Surface preparation for coating**

Surfaces to receive waterproof coating shall be prepared by mechanical means, water jetting or other approved method to remove laitance, loose material, coatings not intended to remain, algae and contaminants. Blowholes, hollows and abrupt irregularities shall be repaired before coating.

#### **PSRS 4.4 Repair mortar application**

Defective concrete shall be cut back to sound material with square or undercut edges where appropriate. Reinforcement, where exposed, shall be cleaned and treated as necessary before the repair mortar is applied.

#### **PSRS 4.5 Pipework repairs**

Pipework repairs shall include isolation where necessary, cutting out defective sections, replacing or repairing short lengths, joints, couplings, flanges, gaskets, bolts or supports, testing and reinstatement to operational condition.

#### **PSRS 4.6 Valve refurbishment or replacement**

Valve refurbishment or replacement shall include removal, overhaul or replacement, renewal of worn parts, reassembly, reconnection, setting, adjustment, testing and commissioning.

#### **PSRS 4.7 Concrete, reinforcement and formwork**

Concrete, reinforcement and formwork shall be executed in accordance with the relevant standard specifications and good construction practice. Water-retaining repairs shall be dense, well compacted and properly cured.

### **PSRS 5 MEASUREMENT AND PAYMENT**

#### **PSRS-1 Prepare and seal leaking construction / movement joint in reservoir or chamber complete**

**Unit:** m

##### **Description**

This item covers the preparation and sealing of one construction joint or movement joint, complete, including chasing, cleaning, local stopping of seepage, primers, backing material, sealant or approved joint repair system.

##### **Measurement**

The item shall be measured **per metre** of joint actually treated along the centreline of the joint.

##### **Payment**

The rate shall include all preparation, sealing materials, labour and incidentals necessary to complete the joint treatment.

#### **PSRS-2 Inject and seal structural crack in water-retaining structure complete**

**Unit:** m

##### **Description**

This item covers the mapping, preparation, packer installation, injection and sealing of one structural crack in a water-retaining structure.

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### Measurement

The item shall be measured **per metre** of crack length actually injected and sealed.

### Payment

The rate shall include crack preparation, packers, injection resin, sealing of the crack face, removal of packers where required, and making good.

**PSRS-3 Apply two-component polymer-modified cementitious flexible waterproof coating, potable-water approved, in minimum two coats to 2.0 mm DFT on prepared surface complete**

**Unit:** m<sup>2</sup>

### Description

This item covers the application of the specified waterproof coating to prepared surfaces.

### Measurement

The item shall be measured **per square metre** of surface actually coated.

No deduction shall be made for isolated penetrations or openings not exceeding **0.25 m<sup>2</sup>** each.

### Payment

The rate shall include substrate preparation, pre-wetting or priming where required, mixing, application of minimum two coats, curing and protection.

**PSRS-4 Supply and apply approved epoxy / polymer repair mortar to local defects, honeycombing or spalled concrete complete**

**Unit:** m<sup>2</sup>

### Description

This item covers local patch repair to defects, honeycombing and spalled concrete using approved repair mortar.

### Measurement

The item shall be measured **per square metre** of repaired area.

Unless otherwise instructed, this item shall apply to repairs with an average depth not exceeding **25 mm**.

### Payment

The rate shall include cutting back, cleaning, treatment of exposed reinforcement where minor, bonding treatment if required, application of repair mortar, finishing and curing.

**PSRS-5 Repair leaking scour, overflow, inlet or outlet pipework at reservoir or chamber**

**Unit:** No.

### Description

This item covers one complete discrete repair to leaking pipework associated with a reservoir or chamber, including short pipe sections, joints, flanges, couplings, gaskets, bolts, supports and similar minor appurtenant work.

### Measurement

The item shall be measured **per number** of discrete leak repair locations completed.

This item shall apply to localised repairs only and not to extensive replacement lengths, which shall be measured elsewhere.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



### Payment

The rate shall include isolation, removal of defective components, supply and installation of minor replacement components, testing and recommissioning.

**PSRS-6 Replace or refurbish altitude / float / level control valve, Bermad or similar approved type, complete**

**Unit:** No.

### Description

This item covers one complete valve refurbishment or replacement, including pilots, tubing, fittings, isolating valves, settings and commissioning.

### Measurement

The item shall be measured **per number** of complete valves refurbished or replaced.

### Payment

The rate shall include removal, overhaul or replacement, reconnection, adjustment, testing and commissioning.

**PSRS-7 Repair / replace chamber floor drain, sump or drainage arrangement**

**Unit:** No.

### Description

This item covers one complete repair or replacement of a chamber floor drain, sump or local drainage arrangement.

### Measurement

The item shall be measured **per number** of complete drainage arrangements repaired or replaced.

### Payment

The rate shall include all breaking out, local pipework, fittings, grating, making good and reinstatement necessary to complete the item.

**PSRS-8 Repair leaking hatch, roof slab penetration, vent or access detail complete**

**Unit:** No.

### Description

This item covers one complete repair to a hatch, penetration, vent or access detail causing leakage.

### Measurement

The item shall be measured **per number** of details repaired.

### Payment

The rate shall include sealing, local making good, replacement of seals, flashing, bedding or minor fittings required to stop leakage.

**PSRS-16 Refurbish security fence, gate and lock arrangement at reservoir / chamber**

**Unit:** Item

### Description

This item covers one complete local refurbishment of the security fence, gate and lock arrangement at one reservoir or chamber enclosure.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### Measurement

Measured **per item**, meaning one complete reservoir or chamber security installation attended to.

This item is intended for local repair and refurbishment, not full replacement of the entire fence unless specifically instructed.

### Payment

The rate shall include minor posts, mesh, bracing, hinges, lugs, chain, padlock arrangement, fastening and making good necessary to restore the installation to a functional condition.

### PSRS-17 Make good internal plaster / screed / fillet to wall-floor junctions complete

**Unit:** m

### Description

This item covers making good plaster, screed or fillet at internal wall-floor junctions associated with leakage control and waterproofing preparation.

### Measurement

Measured **per metre** of wall-floor junction actually treated.

### Payment

The rate shall include preparation, local cutting out, bonding treatment where required, and formation of the plaster / screed / fillet complete.

### PSRS 6 COMPLETION

On completion of the work, the Contractor shall:

- clean all treated areas;
- remove debris and surplus material;
- leave chambers, reservoirs and surrounding areas neat and serviceable;
- provide records of the repairs carried out, including photographs where required by the Employer's Agent.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## PARTICULAR SPECIFICATION

### SECTION PSMZ: METERING, ZONE CONTROL AND TELEMETRY

#### PSMZ 1 SCOPE

This section covers the supply, installation, replacement, temporary survey use, calibration, commissioning and reporting associated with bulk and zone metering, logger installations, zone control points and telemetry works on the potable water network.

The work may include:

- supply and installation of electromagnetic bulk and zone flow meters;
- replacement of faulty existing bulk meters;
- temporary clamp-on ultrasonic flow surveys;
- supply, installation, retrieval, downloading and reporting of pressure and flow loggers;
- upgrade or replacement of RTU / telemetry panels;
- solar power supply and battery backup for remote sites;
- zone meter chambers, spool pieces and isolation arrangements; and
- calibration and commissioning of bulk and zone meters.

This section does **not** include extensive pipeline replacement beyond that necessary to install the metering arrangement, nor excavation or major civil works unless specifically included in the relevant item.

#### PSMZ 2 GENERAL

##### PSMZ 2.1 Purpose of the work

The purpose of the work is to improve the Municipality's ability to:

- measure system input, zone inflow and zone performance;
- monitor minimum night flow, pressure and zone behaviour;
- support leak detection and prioritisation;
- establish and maintain meter points suitable for long-term NRW management; and
- improve telemetry, remote monitoring and operational control.

##### PSMZ 2.2 Contractor's obligations

The Contractor shall:

- verify the suitability of the proposed meter / logger / telemetry location before installation;
- confirm pipe diameter, material, available straight lengths and site conditions;
- submit product data and installation details where requested;
- coordinate isolations and shutdowns with the Employer's Agent and municipal operations staff;
- protect all existing services and infrastructure;
- submit calibration certificates, commissioning records, logger downloads and reports;
- record the final installed location, direction of flow, serial numbers and photographs.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### PSMZ 2.3 Records

For each completed installation or survey, the Contractor shall submit, where applicable:

- site reference and location;
- GPS coordinates where required;
- pipe size and material if known;
- meter / logger / telemetry make, model and serial number;
- date of installation and commissioning;
- calibration or verification records;
- photographs before and after installation;
- downloaded data and interpretation;
- any limitations affecting accuracy or performance.

### PSMZ 2.4 Overlap between items

To avoid double payment:

- items **PSMZ-1 to PSMZ-4** cover the meter device and its installation into a prepared arrangement only, unless stated otherwise;
- item **PSMZ-10** covers the chamber, spool pieces and isolation arrangement;
- item **PSMZ-8** covers the RTU / telemetry panel only;
- item **PSMZ-9** covers the solar supply / battery backup only;
- item **PSMZ-11** covers calibration and commissioning only.

No separate payment shall be made for work already covered by another scheduled item.

## PSMZ 3 MATERIALS AND MINIMUM REQUIREMENTS

### PSMZ 3.1 Electromagnetic flow meters

Electromagnetic flow meters shall be full-bore flanged type unless otherwise approved and shall have at least the following minimum characteristics:

- suitable for potable water service;
- body and liner suitable for the pressure and water quality conditions;
- stainless steel or equivalent approved electrodes;
- local display of flow and total;
- accuracy of **±0.5% of reading** or better over the stated operating range;
- minimum protection class: **sensor IP68** where buried / chamber conditions require, and **transmitter IP67** or better;
- outputs suitable for telemetry / logger integration, such as **4–20 mA, pulse and/or Modbus / digital communication**, as specified;

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- complete with mating flanges, gaskets, bolts and accessories necessary for installation in the prepared arrangement;
- supplied with manufacturer's calibration certificate.

### PSMZ 3.2 Temporary clamp-on ultrasonic flow meters

Temporary clamp-on ultrasonic flow meters shall be portable survey instruments suitable for non-invasive flow measurement on the relevant pipe material and diameter range. They shall be capable of recording flow over time and producing downloadable data for assessment.

These instruments are intended for **survey and assessment purposes**, not for permanent custody transfer or billing use unless specifically approved.

### PSMZ 3.3 Pressure and flow loggers

Pressure and flow loggers shall be suitable for potable water network monitoring and shall:

- be battery powered or otherwise self-sufficient for the monitoring duration;
- be capable of recording date/time stamped data at programmable intervals;
- be supplied with software or platform access required for downloading and interpretation;
- be suitable for the pressure or signal range encountered;
- be securely installed and protected from tampering or weather.

### PSMZ 3.4 Telemetry panel / RTU

The telemetry panel / RTU shall be suitable for the site and shall include, where applicable:

- weatherproof enclosure;
- RTU / PLC / telemetry device;
- modem / communications device where required;
- power supply and internal protection;
- surge protection;
- terminations, glands, wiring and labelled I/O;
- interfaces required for the connected meter, logger, pressure signal or valve site.

### PSMZ 3.5 Solar power supply / battery backup

The solar supply and battery backup system shall be sized for the intended telemetry or meter site duty and shall include:

- solar panel(s);
- mounting frame / brackets;
- charge controller;
- battery / batteries;
- enclosure where required;
- cables, connectors and protective devices.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

The system shall be suitable for reliable operation at the site conditions.

### **PSMZ 3.6 Zone meter chamber, spool pieces and isolation arrangement**

The chamber and associated arrangement shall include, where applicable:

- chamber structure and cover;
- bedding, concrete base and surround where required;
- inlet and outlet spool pieces;
- dismantling joint where required;
- isolation valves;
- supports, brackets, thrust or restraint where necessary;
- drainage or sump where specified or required by the design.

The arrangement shall permit safe access to the meter and accessories for reading, maintenance, calibration and replacement.

## **PSMZ 4 WORKMANSHIP**

### **PSMZ 4.1 General installation**

All installations shall be carried out in accordance with:

- the manufacturer's recommendations;
- the approved drawings or sketches where applicable;
- recognised good practice for potable water meter installations; and
- the requirements of the Employer's Agent.

### **PSMZ 4.2 Meter installation requirements**

Before installation, the Contractor shall verify:

- nominal pipe size;
- flow direction;
- straight lengths available;
- accessibility;
- chamber conditions;
- power and telemetry requirements where relevant.

Meters shall be installed in the correct orientation and with due regard to:

- the manufacturer's minimum upstream and downstream straight lengths;
- avoidance of air pockets;
- avoidance of flooding damage to electronics;
- accessibility for future maintenance and verification.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

#### **PSMZ 4.3 Replacement of existing faulty bulk meters**

Where an existing faulty meter is replaced, the Contractor shall:

- isolate and remove the existing meter;
- inspect the existing arrangement;
- make minor adjustments necessary to accommodate the replacement meter;
- reconnect and recommission the installation.

Extensive rebuilding of the chamber or pipework shall be measured elsewhere where applicable.

#### **PSMZ 4.4 Logger deployment**

Loggers shall be securely installed, protected and left in operation for the instructed monitoring period. On retrieval, data shall be downloaded and checked for completeness and quality before reporting.

#### **PSMZ 4.5 Telemetry and solar installations**

Telemetry panels and solar systems shall be neatly installed, clearly labelled, tested and commissioned. Cables shall be suitably protected and routed. All panels and enclosures shall be left weatherproof and secure.

#### **PSMZ 4.6 Calibration and commissioning**

Calibration and commissioning shall include:

- installation check;
- confirmation of wiring and outputs;
- verification of signal transmission where telemetry applies;
- configuration of units and scaling where required;
- zero and flow verification as applicable;
- issue of a commissioning sheet.

### **PSMZ 5 MEASUREMENT AND PAYMENT**

#### **PSMZ 5.1 General**

The rates and prices for the items in this section shall include full compensation for:

- labour;
- supervision;
- minor plant and tools;
- transport;
- consumables;
- testing, setting and adjustment;
- recording, reporting and photographs;
- all overheads and profit.

Unless otherwise stated, no separate payment shall be made for:

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- minor fittings, bolts, gaskets and installation accessories required to complete the item;
- travel to and from the site;
- routine liaison with the Employer's Agent and municipal operations staff;
- preparation of routine installation records and reports.

## PSMZ 6 ITEMS

### PSMZ-1 Supply and install electromagnetic bulk / zone flow meter 80 mm to 100 mm complete

**Unit:** No.

#### Description

This item covers one complete supply and installation of an electromagnetic flow meter in the size range 80 mm to 100 mm into a prepared metering arrangement.

#### Measurement

Measured **per number** of complete meters supplied, installed and commissioned.

#### Payment

The rate shall include:

- meter, sensor, transmitter and local display;
- manufacturer's calibration certificate;
- mating flanges, bolts, gaskets and installation accessories;
- mounting and connection into the prepared spool arrangement;
- wiring to local panel or termination point over a short distance not exceeding 5 m;
- initial setup and functional checks.

This item excludes chamber construction, spool pieces, isolation valves, telemetry panel and solar supply measured elsewhere.

### PSMZ-2 Supply and install electromagnetic bulk / zone flow meter 150 mm to 200 mm complete

**Unit:** No.

#### Measurement and payment

As for PSMZ-1, but for meter sizes 150 mm to 200 mm.

### PSMZ-3 Supply and install electromagnetic bulk / zone flow meter 250 mm to 400 mm complete

**Unit:** No.

#### Measurement and payment

As for PSMZ-1, but for meter sizes 250 mm to 400 mm.

### PSMZ-4 Replace faulty existing bulk meter complete

**Unit:** No.

|            |           |           |          |           |           |
|------------|-----------|-----------|----------|-----------|-----------|
|            |           |           |          |           |           |
| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |



### Description

This item covers one complete replacement of an existing faulty bulk meter within an existing meter installation.

### Measurement

Measured **per number** of faulty existing meters replaced and recommissioned.

### Payment

The rate shall include:

- removal of the faulty meter;
- supply and installation of replacement meter of equivalent required size and duty;
- minor adaptation to suit the existing arrangement;
- reconnection, setup and recommissioning;
- disposal or handing over of the removed faulty meter as instructed.

This item excludes major rebuilding of the chamber or pipework and excludes telemetry panel or solar replacement unless specifically included elsewhere.

### PSMZ-5 Temporary clamp-on ultrasonic flow survey complete

**Unit:** Week

### Description

This item covers one temporary clamp-on ultrasonic flow survey setup at one location for a monitoring period of up to seven consecutive days, including installation, data collection, retrieval and reporting.

### Measurement

For the purposes of this Contract, **one Week** means one flow survey setup at one location for up to seven consecutive days.

Measured **per survey-week** completed.

### Payment

The rate shall include:

- attendance on site;
- mounting of transducers;
- configuration;
- monitoring;
- retrieval;
- data download;
- interpretation and report.

If more than one setup is installed concurrently, each survey-week shall be measured separately.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### PSMZ-6 Pressure logger supplied, installed, downloaded and reported

**Unit:** Logger-week

#### Description

This item covers one pressure logger installed at one location for a monitoring period of up to seven consecutive days, including download and reporting.

#### Measurement

For the purposes of this Contract, **one Logger-week** means one logger at one location for up to seven consecutive days.

Measured **per logger-week** completed.

#### Payment

The rate shall include:

- supply or temporary provision of the logger;
- installation;
- protection;
- retrieval;
- download;
- pressure profile interpretation;
- report.

### PSMZ-7 Flow logger supplied, installed, downloaded and reported

**Unit:** Logger-week

#### Description

This item covers one flow logger installation or one flow logging arrangement at one location for a monitoring period of up to seven consecutive days, including download and reporting.

#### Measurement

For the purposes of this Contract, **one Logger-week** means one logger or logging setup at one location for up to seven consecutive days.

Measured **per logger-week** completed.

#### Payment

The rate shall include installation, retrieval, download, data interpretation and report.

This item excludes permanent bulk meter supply and installation measured elsewhere.

### PSMZ-8 RTU / telemetry panel upgrade or replacement at meter / reservoir / PRV site

**Unit:** No.

#### Description

This item covers one complete upgrade or replacement of an RTU / telemetry panel at a meter, reservoir or PRV site.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### Measurement

Measured **per number** of complete RTU / telemetry panel installations upgraded or replaced and commissioned.

### Payment

The rate shall include:

- enclosure;
- RTU / PLC / modem and internal components;
- power supply and surge protection;
- wiring, terminals, glands and labels;
- configuration, testing and commissioning.

This item excludes solar power supply / battery backup measured elsewhere.

### PSMZ-9 Solar power supply / battery backup for remote meter or telemetry site

**Unit:** No.

### Description

This item covers one complete solar power and battery backup installation for a remote meter or telemetry site.

### Measurement

Measured **per number** of complete solar power systems installed and commissioned.

### Payment

The rate shall include:

- solar panel(s);
- frame / brackets;
- charge controller;
- battery / batteries;
- enclosure where required;
- wiring and protective devices;
- installation, testing and commissioning.

### PSMZ-10 Zone meter chamber, spool pieces and isolation arrangement complete

**Unit:** No.

### Description

This item covers one complete zone meter chamber and prepared metering arrangement, including chamber, spool pieces and isolation arrangement, ready to receive or operate with the specified meter.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### Measurement

Measured **per number** of complete chamber and arrangement installations completed.

### Payment

The rate shall include:

- chamber excavation and construction where required;
- base, walls, cover and frame;
- inlet and outlet spool pieces;
- dismantling joint where required;
- isolation valves;
- supports and minor pipework;
- local drainage or sump where included in the design;
- testing and making good.

The meter itself is measured separately unless expressly stated otherwise.

### PSMZ-11 Calibration and commissioning of bulk / zone meter

**Unit:** No.

### Description

This item covers one complete calibration verification and commissioning process for a bulk or zone meter installation.

### Measurement

Measured **per number** of meters calibrated / verified and commissioned.

### Payment

The rate shall include:

- installation checks;
- setting and scaling;
- verification of outputs;
- telemetry signal checks where applicable;
- commissioning record;
- submission of calibration / verification documentation.

No separate payment shall be made under this item where calibration and commissioning are expressly included in another item and not separately scheduled.

### PSMZ 7 REPORTING

The Contractor shall submit monitoring, commissioning and installation reports at intervals directed by the Employer's Agent. No separate payment shall be made for routine reporting, which shall be deemed included in the tendered rates for the relevant items.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## **PARTICULAR SPECIFICATION**

### **SECTION PSTS: TEMPORARY SUPPLY, TESTING AND COMMISSIONING**

#### **PSTS 1 SCOPE**

This section covers the planning and execution of shutdowns, temporary supply arrangements, testing, disinfection, commissioning and close-out associated with the repair or replacement of potable water pipelines and appurtenant works.

The work may include:

- shutdown planning and liaison;
- issuing of notices and coordination with operations staff;
- valve isolation, shutdown and controlled re-opening;
- temporary bypass pumping;
- temporary overland hose or bypass line arrangements;
- pressure testing;
- flushing, disinfection and commissioning;
- water quality sampling and compliance confirmation;
- completion records and asset update information.

This section does **not** include permanent pipework repairs or replacements, which are measured elsewhere unless specifically stated.

#### **PSTS 2 GENERAL**

##### **PSTS 2.1 Purpose of the work**

The purpose of this work is to enable repairs and replacements to be undertaken safely and efficiently while:

- minimizing interruption to supply;
- maintaining control of the system during shutdowns and recharging;
- protecting water quality;
- confirming the integrity of repaired or replaced sections; and
- providing proper records for handover and asset updating.

##### **PSTS 2.2 Contractor's obligations**

The Contractor shall:

- plan all shutdowns in advance in consultation with the Employer's Agent and municipal operations staff;
- ensure that all required notices are issued timeously where directed;
- provide all labour, plant, tools, hoses, fittings, pumps, valves and accessories necessary for temporary supply and testing;
- carry out testing, flushing, disinfection and commissioning in accordance with approved procedures;
- avoid contamination of the potable water system;

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- record all test and commissioning results;
- submit all required handover records.

### **PSTS 2.3 Approval before shutdown**

No shutdown shall be carried out without the approval of the Employer's Agent and the relevant operations personnel.

No temporary bypass or temporary supply arrangement shall be put into service until it has been checked and approved for the intended duty.

### **PSTS 2.4 Water quality protection**

All temporary supply arrangements, hoses, fittings, pumps and appurtenances used in contact with potable water shall be clean and suitable for potable water use.

The Contractor shall take all necessary precautions to prevent ingress of dirt, debris, contaminated water, fuel, oil or other contaminants into the potable water system.

### **PSTS 2.5 Included in rates**

Unless otherwise stated, the rates for items in this section shall include full compensation for:

- labour;
- supervision;
- transport;
- plant and equipment;
- fittings and accessories necessary for the temporary arrangement;
- setup and removal;
- test forms, records and reports;
- all overheads, profit and incidentals necessary to complete the item.

No separate payment shall be made for repeat work required due to the Contractor's error, defective workmanship, leakage from the temporary arrangement, failed test caused by the Contractor, or incomplete records.

## **PSTS 3 WORKMANSHIP**

### **PSTS 3.1 Shutdown planning**

Shutdown planning shall include:

- identifying the affected section;
- identifying valves and control points;
- confirming the operational sequence;
- estimating the shutdown duration;
- identifying affected consumers or areas;
- preparing notices where required;
- coordinating with the Employer's Agent and municipal operations staff.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### **PSTS 3.2 Valve isolation and controlled operation**

Valve isolation and re-opening shall be carried out carefully to avoid surge, contamination, uncontrolled drainage or damage to the system.

Valves shall not be forcibly operated. Any defective valve encountered shall be reported immediately.

### **PSTS 3.3 Temporary bypass arrangements**

Temporary bypass pumping and overland bypass lines shall be installed securely and operated safely. The Contractor shall ensure:

- adequate capacity for the intended duty;
- safe routing of hoses;
- protection from traffic, pedestrians and vandalism;
- secure joints and fittings;
- no leakage or contamination;
- safe discharge and reconnection arrangements.

### **PSTS 3.4 Pressure testing**

Pressure testing shall be carried out on the repaired or replaced section in accordance with the applicable specification, approved procedure and the instructions of the Employer's Agent.

The Contractor shall provide all test equipment, gauges, pumps, fittings, temporary end caps and blanks necessary to complete the test.

### **PSTS 3.5 Flushing, disinfection and commissioning**

Flushing and disinfection shall be carried out using approved methods suitable for potable water pipelines. The Contractor shall:

- flush until clean water is achieved or as directed;
- disinfect using an approved disinfectant concentration and contact time;
- safely dispose of disinfected water where required;
- recommission the section in a controlled manner.

### **PSTS 3.6 Water quality sampling**

Where instructed, sampling shall be undertaken after flushing and disinfection and submitted to an approved laboratory or tested by an approved method, as applicable.

### **PSTS 3.7 Completion records**

Completion records shall include, where applicable:

- date and location;
- description of work undertaken;
- shutdown reference;
- test pressure and duration;
- flushing / disinfection details;

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- sampling reference and result where applicable;
- photographs;
- coordinates;
- asset data required by the Employer's Agent.

## **PSTS 4 MEASUREMENT AND PAYMENT**

### **PSTS 4.1 General**

The rates and prices for items in this section shall include full compensation for all work necessary to complete the relevant item as specified.

No separate payment shall be made for:

- travel within the work area;
- ordinary liaison with operations personnel;
- standby time caused by the Contractor's lack of readiness;
- repeat flushing, repeat testing or repeat disinfection resulting from the Contractor's fault;
- routine record submission.

## **PSTS 5 ITEMS**

### **PSTS-1 Shutdown planning, notices and operational coordination**

**Unit:** Per Shutdown

#### **Description**

This item covers the planning and coordination of one shutdown, including notices, liaison and operational arrangements.

#### **Measurement**

Measured **per approved shutdown** planned and coordinated.

A shutdown shall mean one planned interruption of supply or one planned isolation event for a defined section of the system.

#### **Payment**

The rate shall include:

- preparation of shutdown plan;
- liaison with the Employer's Agent and operations staff;
- identification of affected consumers / areas;
- preparation and issue of notices where directed;
- coordination of timing and sequence.

No separate payment shall be made under this item for the physical operation of valves, which is measured under PSTS-2.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



## **PSTS-2 Valve isolation and controlled shutdown / re-opening operation**

**Unit:** Per Event

### **Description**

This item covers one complete valve isolation or controlled shutdown / re-opening operation carried out for repair, testing or recommissioning purposes.

### **Measurement**

Measured **per event**.

For the purposes of this Contract, one event shall mean one complete isolation / operation sequence at one location or one connected operational sequence required to shut down or re-open a defined section.

### **Payment**

The rate shall include:

- attendance by the Contractor's staff;
- operation of accessible valves where permitted;
- controlled shutdown and re-opening;
- monitoring during refill and recharge;
- reporting of defective valves encountered.

No separate payment shall be made for routine valve operations within a pressure test or flushing activity where no separate shutdown event is required.

## **PSTS-3 Temporary bypass pumping arrangement**

**Unit:** Day

### **Description**

This item covers one complete temporary bypass pumping arrangement in operation for up to one day.

### **Measurement**

Measured **per day** that the bypass pumping arrangement is installed, operating or standing ready in approved service.

A day shall mean a period not exceeding 24 hours.

### **Payment**

The rate shall include:

- pumps;
- suction and delivery hoses;
- fittings, strainers and accessories;
- setup, operation, supervision and removal;
- fuel, power and maintenance;
- temporary supports and protection;

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- standby while required for the approved bypass duty.

The overland hose lengths themselves shall be measured separately under PSTS-4 or PSTS-5 where applicable.

#### **PSTS-4 Temporary overland hose/bypass line up to 100 mm**

**Unit:** m-day

##### **Description**

This item covers temporary overland hose or bypass line up to and including 100 mm diameter.

##### **Measurement**

Measured **per meter-day** of hose or bypass line actually installed and used or retained in approved standby service.

For the purposes of this Contract, meter-day means one meter of installed hose for one day.

##### **Payment**

The rate shall include:

- supply of hose;
- couplings and minor fittings;
- laying out, securing and protecting;
- maintenance during use;
- removal on completion.

#### **PSTS-5 Temporary overland hose/bypass line above 100 mm**

**Unit:** m-day

##### **Description**

This item covers temporary overland hose or bypass line with a diameter above 100 mm.

##### **Measurement**

Measured **per meter-day** of hose or bypass line actually installed and used or retained in approved standby service.

##### **Payment**

As for PSTS-4, but for hose sizes above 100 mm.

#### **PSTS-6 Pressure test of repaired or replacement pipeline section**

**Unit:** Per Test

##### **Description**

This item covers one complete pressure test on one repaired or replacement pipeline section.

##### **Measurement**

Measured **per completed pressure test** carried out on a defined section and properly recorded.

A repeat test required because of the Contractor's defect or failed workmanship shall not be measured separately.

##### **Payment**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

The rate shall include:

- test planning;
- test equipment and gauges;
- filling, venting and pressurizing;
- monitoring over the required test period;
- recording results;
- depressurizing and making safe after test.

**PSTS-7 Flush, disinfect and commission repaired/replaced section**

**Unit:** Per Event

**Description**

This item covers one complete flushing, disinfection and commissioning event for one repaired or replaced section of pipeline.

**Measurement**

Measured **per event** completed and recorded.

An event shall mean one defined repaired or replaced section treated and recommissioned as one operation.

**Payment**

The rate shall include:

- flushing water management;
- disinfectant supply and application;
- contact period management;
- disposal or neutralization where required;
- controlled return to service;
- commissioning records.

Water quality sampling is measured separately where applicable.

**PSTS-8 Water quality sampling and compliance confirmation after repair**

**Unit:** No.

**Description**

This item covers one sampling point or one compliance sample set after repair, flushing and disinfection.

**Measurement**

Measured **per number** of sample events taken, submitted and reported.

**Payment**

The rate shall include:

- sample bottles and consumables;

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- taking the sample;
- labelling and chain of custody;
- delivery to the approved laboratory where required;
- recording and submission of the result.

This item excludes repeat samples required due to contamination caused by the Contractor.

**PSTS-9 Completion record including photographs, coordinates and asset update data**

**Unit:** No.

**Description**

This item covers one complete close-out record for one completed repair, replacement or intervention.

**Measurement**

Measured **per number** of completed records submitted and accepted.

**Payment**

The rate shall include:

- compilation of record sheet;
- photographs;
- coordinates;
- repair description;
- relevant asset update data;
- submission to the Employer's Agent.

No separate payment shall be made where records are incomplete or rejected for lack of required information.

**PSTS 6 REPORTING**

At intervals directed by the Employer's Agent, the Contractor shall submit:

- shutdown register;
- test register;
- flushing / disinfection register;
- sampling results;
- completion records.

No separate payment shall be made for routine reporting, which shall be deemed included in the rates for the items in this section.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

### MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

#### SECTION C3.5

#### OCCUPATIONAL HEALTH & SAFETY SPECIFICATION AND BASELINE RISK ASSESSMENT

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

### MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

#### SECTION C3.5

#### OCCUPATIONAL HEALTH & SAFETY SPECIFICATION AND BASELINE RISK ASSESSMENT

##### **C3.5 OCCUPATIONAL HEALTH & SAFETY SPECIFICATION AND BASELINE RISK ASSESSMENT**

The Occupational Health & Safety Specification and Baseline Risk Assessment are attached to this document as Annexure B.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

### **PART C4**

### **SITE INFORMATION**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## SITE INFORMATION

### DESCRIPTION OF SITE AND ACCESS

The project is situated within the Maluti-a-Phofung Local Municipality, which is located in the Thabo Mofutsanyane District Municipality of the Free State Province, South Africa. The Works are expected to be undertaken at various locations within the municipal area, including Phuthaditjhaba and other potable water supply areas identified by the Employer from time to time, and shall not be limited to a single fixed site. The municipal management area includes the bulk water distribution systems of Harrismith, Dr Limpho Letshela, Metsi Matsho and Fika Patso.

Owing to the distributed nature of the Works, no single municipal centre coordinate shall be taken as defining the Site for contractual purposes. The exact location of each work area shall be as indicated on the drawings, in the Scope of Work, or in the relevant work assignment or instruction issued by the Employer or Employer's Agent.

The following climatic and general conditions are considered generally applicable to the Works, and the specified capacities of all equipment provided under this Tender shall be suitable for operation under these conditions:

|                                         |                                                                                                                                                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum ambient temperature:            | 36°C                                                                                                                                                            |
| Minimum ambient temperature:            | -10°C                                                                                                                                                           |
| 24-hour maximum temperature:            | 26°C                                                                                                                                                            |
| Altitude (meters above mean sea level): | ±1 350 m                                                                                                                                                        |
| Average Humidity:                       | 58%                                                                                                                                                             |
| General Atmosphere:                     | Inland, seasonal rainfall, with generally dry winter conditions                                                                                                 |
| Exposure:                               | Lengthy periods of sunshine may cause high temperatures in enclosures and accelerated deterioration of exposed synthetic materials due to ultra-violet exposure |
| Average Annual Rainfall:                | 570mm                                                                                                                                                           |
| Lightning:                              | Medium to high lightning incidence                                                                                                                              |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



**VAAL CENTRAL WATER**

**CONTRACT NO.**

**VCW380/PWLPLM/24**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

**ANNEXURE A**

**TENDER DRAWINGS**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

[illegible]

Witness 2

VAAL CENTRAL WATER

CONTRACT NO.

VCW380/PWLPLM/24

MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA

**ANNEXURE B**

**OCCUPATIONAL HEALTH & SAFETY SPECIFICATION AND BASELINE RISK  
ASSESSMENT**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

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Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## 1. ISSUE CONTROL AND DISTRIBUTION

### Distribution of Manual

#### 1.1 Revision Status of Manual

| Rev. No | Sect. No | Page No | Detail Of Change | Date       | Authorised By |
|---------|----------|---------|------------------|------------|---------------|
| 1       | All      | All     | First Issue      | 02/10/2014 |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |

#### 1.2 Revision Status of Procedures

| Rev. No | Sect. No | Page No | Detail Of Change | Date       | Authorised By |
|---------|----------|---------|------------------|------------|---------------|
| 1       | All      | All     | First Issue      | 02/10/2014 |               |
| 2       | All      | All     | Second Issue     | 02/10/2022 |               |
| 3       | All      | All     | Third Issue      | 18/09/2024 |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |
|         |          |         |                  |            |               |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## 2. SCOPE

This health and safety specification in respect of an engineering and construction works contract:

- a) Provides the overarching framework within which the Contractor is required to demonstrate compliance with certain requirements for occupational health and safety established by the **Occupational Health and Safety Act (Act no. 85 of 1993)**;
- b) Establishes the manner in which the Contractor shall manage the risk of health and safety incidents in the execution of the contract; and
- c) Establishes the manner in which the SHEQ Officer will interact with the Contractor.

## 3. PREAMBLE

Every effort has been made to ensure that this specification is accurate in all respects, however, should it contain any errors or omissions they may not be considered as grounds for claims under the contract for additional reimbursement or extension of time.

## 4. PURPOSE

The purpose of this Specification is to brief the contractors on the significant safety aspects of the project. It provides information and requirements on *inter alia*:

- a) Safety considerations affecting the site and its environment;
- b) Health and safety aspects of the associated structures and equipment;
- c) Submissions on health and safety matters; and
- d) The contractor's health and safety plan.

### NOTE

**This specification establishes general requirements and specific requirements to enable The Employer or employer's agent and the Contractor to comply with the Occupational Health and Safety Act (Act No.85 of 1993) and the Construction Regulations 2014.**

The Construction Regulations, 2014, require the Employer to stop any Contractor from executing construction work that is not being carried out in a manner that protects the health and safety of persons. Site-specific health and safety requirements are stated in the Scope of Work and associated contract documents.

## 5. DEFINITIONS

### Act

The Occupational Health and Safety Act (Act no. 85 of 1993)

### Competent Person

Any person having the knowledge, training and experience specific to the work or task being performed.

### The Employer or his representative Assistant Manager SHEQ/ SHEQ Officer

The person appointed as an agent by the employer or employer agent in terms of Regulation 4(5) of the Construction Regulations and named in the contract data as being the Employer or his representative agent responsible for health and safety matters.

### Ergonomics

|            |           |           |          |           |           |
|------------|-----------|-----------|----------|-----------|-----------|
|            |           |           |          |           |           |
| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |

The application of scientific information concerning humans to the design of objects, systems and the environment for human use to optimise human well-being and overall system performance.

**Hazard:**

A source of or exposure to danger.

**Hazard Identification**

The identification and documenting of existing or expected hazards to the health and safety of persons, which are normally associated with the type of construction work being executed or to be executed.

**Healthy**

Free from illness or injury attributable to occupational causes.

**Incident**

An event or occurrence occurring at work or arising out of or in connection with the activities of persons at work, or in connection with the use of plant or machinery, in which, or in consequence of which:

- a) Any person dies, becomes unconscious, suffers the loss of a limb or part of a limb or is otherwise injured or becomes ill to such a degree that he/she is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or to continue with the activity for which he/she was employed or is usually employed;
- b) a major incident occurred; or

The health or safety of any person was endangered and where:

- a) A dangerous substance was spilled;
- b) The uncontrolled release of any substance under pressure took place;
- c) Machinery or any part thereof fractured or failed resulting in flying, falling or uncontrolled moving objects, or machinery ran out of control.

**Inspector**

a person designated as such under section 28 of the Act.

**Major Incident**

an occurrence of catastrophic proportions, resulting from the use of plant or machinery, or from activities at a workplace.

**Reasonably Practicable**

practice having regard to:

- a) The severity and scope of the hazard or risk concerned;
- b) The state of knowledge reasonably available concerning that hazard or risk and of any means of removing or mitigating that hazard or risk;
- c) The availability and suitability of means to remove or mitigate that hazard or risk; and
- d) The cost of removing or mitigating that hazard or risk in relation to the benefits deriving therefrom;

**Registered Person**

a person registered in terms of the Electrical Installation Regulations

**Risk**

The probability that injury or damage will occur.

**Safe**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

Free from any hazard.

**Scaffold**

any temporary elevated platform and supporting structure used for providing access to and supporting workmen or materials.

**Structure**

- a) Any building, steel or reinforced concrete structure (not being a building), railway line or siding, bridge, waterworks, reservoir, pipe or pipeline, cable, sewer, sewage works, fixed vessels, road, drainage works, earthworks, dam, wall, mast, tower, tower crane, batching plants, pylon, surface and underground tanks, earth retaining structure or any structure designed to preserve or alter any natural feature, and any other similar structure;
- b) Any formwork, falsework, scaffold or other structure designed or used to provide support or means of access during construction work; or
- c) Any fixed plant in respect of work which includes the installation, commissioning, decommissioning or dismantling and where any such work involves a risk of a person

**Substance**

any premises or place where a person performs work in the course of his/her employment

**Workplace**

any premises or place where a person performs work in the course of his employment

**6. INTERPRETATIONS**

The Act and its associated regulations shall have precedence in the interpretation of any ambiguity or inconsistency between it and this specification. Compliance with the requirements of this specification does not necessarily result in compliance with the provisions of the Act.

**7. APPLICATION FOR CONSTRUCTION WORK PERMIT**

**Application for construction work permit.-**

- 1) An Employer who intends to have construction work carried out must, at least 30 days before that work is to be carried out, apply to the provincial director in writing for a construction work permit to perform construction work if the intended construction work starts from the 7th August 2018 and will -
  - a) exceed 365 days and will involve more than 3600 person days of construction work, or the works contract is of a value exceeding thirteen million rand or Construction Industry Development Board (CIDB) grading level 7.
  - b) the tender value limit is grade 7, 8 or 9 of the Construction Industry Development Board (CIDB) grading.
- 2) An application contemplated in sub-regulation (1) must be done in a form similar to Annexure 1.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



- 3) The provincial director must issue a construction work permit in writing to perform construction work contemplated in sub-regulation (1) within 30 days of receiving the construction work permit application and must assign a site-specific number for each construction site.
- 4) A site-specific number contemplated in Sub-regulation (3) must be conspicuously displayed at the main entrance to the site for which that number is assigned.
- 5) A construction work permit contemplated in this regulation may be granted only if-
  - a) the fully completed documents contemplated in regulation 5 (1) (a) and (b) have been submitted; and
  - b) proof in writing has been submitted-
    - i. that the Employer complies with regulation 5 (5)
    - ii. with regard to the registration and good standing of the principal contractor as contemplated in regulation 5 (1) (j); and
    - iii. that regulation 5 (1) (c), (d), (e), (g) and (h) has been complied with.
- 6) An employer must ensure that the principal contractor keeps a copy of the construction work permit contemplated in sub-regulation (1) in the occupational health and safety file for inspection by an inspector, the Employer, the Employer's authorised agent, or an employee.
- 7) No construction work contemplated in sub-regulation (1) may be commenced or carried out before the construction work permit and number contemplated in sub-regulation (3) have been issued and assigned.
- 8) A site-specific number contemplated in sub-regulation (3) is not transferrable.

## 8. DUTIES AND RESPONSIBILITIES

### 8.1 Employer's Responsibilities (Construction Regulations 5):

1. In terms of Construction Regulation 5 an Employer must-
  - a) prepare a baseline risk assessment for an intended construction work project;
  - b) prepare a suitable, sufficiently documented and coherent site-specific health and safety specification for the intended construction work based on the baseline risk assessment contemplated in paragraph (a);
  - c) provide the designer with the health and safety specification contemplated in paragraph (b);
  - d) ensure that the designer takes the prepared health and safety specifications into consideration during the design stage;
  - e) ensure that the designer carries out all responsibilities contemplated in regulation 6;
  - f) include the health and safety specifications in the tender documents;
  - g) ensure that potential Service Providers / Principal Contractors submitting tenders have made adequate provision for the cost of health and safety measures;
  - h) ensure that the Service Provider / Principal Contractor to be appointed has the necessary competencies and resources to carry out the construction work safely;
  - i) take reasonable steps to ensure co-operation between all contractors appointed by the Employer to enable each of those contractors to comply with these Regulations;

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- j) ensure before any work commences on a site that every Service Provider / Principal Contractor is registered and in good standing with the compensation fund or with a licensed compensation insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act, 1993 (Act No. 130 of 1993).
  - k) appoint every Service Provider / Principal Contractor in writing for the project or part thereof on the construction site;
  - l) discuss and negotiate with the Service Provider / Principal Contractor the contents of the Service Provider/Principal Contractor health and safety plan contemplated in regulation 7(1), and must thereafter finally approve that plan for implementation;
  - m) ensure that a copy of the Service Provider / Principal Contractor health and safety plan is available on request to an employee, inspector or contractor;
  - n) take reasonable steps to ensure that each contractor's health and safety plan contemplated in regulation 7(1)(a) is implemented and maintained;
  - o) ensure that periodic health and safety audits and document verification are conducted at intervals mutually agreed upon between the Service Provider / Principal Contractor and any contractor, but at least once every 30 days;
  - p) ensure that a copy of the health and safety audit report contemplated in paragraph (o) is provided to the Service Provider / Principal Contractor within seven days after the audit;
  - q) stop any contractor from executing a construction activity which poses a threat to the health and safety of persons and is not in accordance with the Employer's health and safety specifications and the Service Provider's / Principal Contractor's health and safety plan for the site;
  - r) where changes are brought about to the design or construction work, make sufficient health and safety information and appropriate resources available to the Service Provider / Principal Contractor to execute the work safely; and
  - s) ensure that the health and safety file contemplated in regulation 7(1)(b) is kept and maintained by the Service Provider / Principal Contractor.
2. Where an Employer requires additional work to be performed as a result of a design change or an error in construction due to the actions of the Employer, the Employer must ensure that sufficient safety information and appropriate additional resources are available to execute the required work safely.
  3. Where a fatality or permanent disabling injury occurs on a construction site, the Employer must ensure that the contractor provides the provincial director with a report contemplated in section 24 of the Act, in accordance with regulations 8 and 9 of the General Administrative Regulations, 2013, and that the report includes the measures that the contractor intends to implement to ensure a safe construction site as far as is reasonably practicable.
  4. Where more than one Service Provider / Principal Contractor is appointed as contemplated in sub-regulation (1) (k), the Employer must take reasonable steps to ensure cooperation between all principal contractors and contractors in order to ensure compliance with these Regulations.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

5. Where a construction work permit is required as contemplated in regulation 3(1), the Employer must, without derogating from his or her health and safety responsibilities or liabilities, appoint a competent person in writing as an agent to act as his or her representative, and where such an appointment is made the duties that are imposed by these Regulations upon an Employer, apply as far as reasonably practicable to the agent so appointed.
6. Where notification of construction work is required as contemplated in regulation 4(1), the Employer may, without derogating from his or her health and safety responsibilities or liabilities, appoint a competent person in writing as an agent to act as his or her representative, and where such an appointment is made the duties that are imposed by these Regulations upon an Employer, apply as far as reasonably practicable to the agent so appointed: Provided that, where the question arises as to whether an agent is necessary, the decision of an inspector is decisive.
7. An agent contemplated in sub-regulations (5) and (6) must—
  - a) manage the health and safety of a construction project for the Employer; and
  - b) be registered with a statutory body approved by the Chief Inspector as qualified to perform the required functions;
8. When the chief inspector has approved a statutory body as contemplated in sub-regulation (7)(b), he or she must give notice of that approval in the Gazette.

**Notes 1:**

- a) Regulation 5(1)d must be read with Regulation 6, the duties of the designer and a written report must be submitted to the Employer by the Designer as proof of compliance with the aforesaid regulation.
- b) Regulation 5(1)(i) Where there are multiple principal contractors (or contractors) on-site appointed by the Employer, the Employer shall coordinate cooperation between contractors to ensure health and safety control, read with regulation 7(4). Regulation 5 (5); (6) and (7).
- c) Where an Employer specifies which contractors a principal contractor must appoint the duties as specified in 7(1)(c)(iii) shall be applicable to the said Employer.
- d) An Employer may appoint a Construction Health and Safety Agent or Construction Health and Safety Manager based on the scope and risk profile of construction work to represent him/her on matters of health and safety. Provided that, where the question arises as to whether a Construction Health Safety Agent or a Construction Health and Safety Manager is necessary, the decision of an inspector is decisive.

**Notes 2:**

- a) Refer to the exemption issued by the Chief Inspector.
- b) The 30 days required to issue a Construction Work Permit is on condition that all correct and fully completed documents are submitted as per the attached 'list of items (not limited to) to be submitted with the construction work permit application'.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- c) Where any person aggrieved by any decision taken by an inspector in relation to the application of a Construction Work Permit under a provision of this regulation may appeal against such decision to the chief inspector in terms of Section 35.
- d) The Construction Work Permit shall be issued to the Employer for whom the Construction work is conducted.

## 8.2 Designer's Duties (CR 6):

- 1. The designer of a structure must—
  - a) ensure that the applicable safety standards incorporated into these Regulations under section 44 of the Act are complied with in the design;
  - b) take into consideration the health and safety specification submitted by the Employer;
  - c) before the contract is put out to tender, make available in a report to the Employer—
    - all relevant health and safety information about the design of the relevant structure that may affect the pricing of the construction work;
    - the geotechnical-science aspects, where appropriate; and
    - the loading that the structure is designed to withstand;
  - d) inform the Employer in writing of any known or anticipated dangers or hazards relating to the construction work, and make available all relevant information required for the safe execution of the work upon being designed or when the design is subsequently altered;
  - e) refrain from including anything in the design of the structure necessitating the use of dangerous procedures or materials hazardous to the health and safety of persons, which can be avoided by modifying the design or by substituting materials;
  - f) take into account the hazards relating to any subsequent maintenance of the relevant structure and must make provision in the design for that work to be performed to minimize the risk;
  - g) when mandated by the Employer to do so, carry out the necessary inspections at appropriate stages to verify that the construction of the relevant structure is carried out in accordance with his design: Provided that if the designer is not so mandated, the Employer's appointed agent in this regard is responsible to carry out such inspections;
  - h) when mandated as contemplated in paragraph (g), stop any contractor from executing any construction work which is not in accordance with the relevant design's health and safety aspects: Provided that if the designer is not so mandated, the Employer's appointed agent in that regard must stop that contractor from executing that construction work;
  - (i) When mandated as contemplated in paragraph (g), in his or her final inspection the completed structure in accordance with the National Building Regulations, include the health and safety aspects of the structure as far as reasonably practicable, declare the structure safe for use, and issue a completion certificate to the Employer and a copy thereof to the contractor; and (j) during the design stage, take cognisance of ergonomic design principles in order to minimize ergonomic related hazards in all phases of the life cycle of a structure.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

2. The designer of temporary works must ensure that—
- a) all temporary works are adequately designed so that it will be capable of supporting all anticipated vertical and lateral loads that may be applied;
  - b) the designs of temporary works are done with close reference to the structural design drawings issued by the contractor, and in the event of any uncertainty consult the contractor;
  - c) all drawings and calculations pertaining to the design of temporary works are kept at the office of the temporary works designer and are made available on request by an inspector, and (d) the loads caused by the temporary works and any imposed loads are clearly indicated in the design.

**Notes:**

Regulation 6 (1) (c) - Designers must ensure that designs are accompanied by a report as required in terms of this regulation.

**8.3 Principal Contractor Responsibilities**

- a) The Principal Contractor shall accept the appointment under the terms and Conditions of Contract. The Service Provider / Principal Contractor shall sign and agree to those terms and conditions and shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 4 of the Construction Regulations 2014. The Principal Contractor shall submit the notification in writing prior to the commencement of work and inform the Employer or his Agent accordingly;
- b) The Principal Contractor shall ensure that he is fully conversant with the requirements of this Specification and all relevant health and safety legislation. This Specification is not intended to supersede the Act nor the Construction Regulations 2014 or any part of either. Those sections of the Act and the Construction Regulations 2014 which apply to the scope of work to be performed by the Principal Contractor in terms of this contract (entirely or in part) will continue to be legally required of the Principal Contractor to comply with. The Principal Contractor will in no manner or means be absolved from the responsibility to comply with all applicable sections of the Act, the Construction Regulations 2014 or any Regulations proclaimed under the Act or which may perceivably be applicable to this contract;
- c) (1) The Principal Contractor must further —
  - i. provide and demonstrate to the Employer a suitable, sufficiently documented and coherent site specific health and safety plan, based on the Employer's documented health and safety specifications contemplated in regulation 5(1)(b), which plan must be applied from the date of commencement of and for the duration of the construction work and which must be reviewed and updated by the Principal Contractor as work progresses;
  - ii. open and keep on site a health and safety file, which must include all documentation required in terms of the Act and these Regulations, which must be made available on request to an inspector, the Employer, the Employer's agent or a contractor; and on appointing any other contractor, in order to ensure compliance with the provisions of the Act—

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- provide contractors who are tendering to perform construction work for the Principal Contractor, with the relevant sections of the health and safety specifications contemplated in regulation 5(1)(b) pertaining to the construction work which has to be performed; ensure that potential contractors submitting tenders have made sufficient provision for health and safety measures during the construction process;
  - ensure that potential contractors submitting tenders have made sufficient provision for health and safety measures during the construction process;
  - ensure that no contractor is appointed to perform construction work unless the Principal Contractor is reasonably satisfied that the contractor that he or she intends to appoint, has the necessary competencies and resources to perform the construction work safely;
  - ensure prior to work commencing on the site that every contractor is registered and in good standing with the compensation fund or with a licensed compensation insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act, 1993;
  - appoint each contractor in writing for the part of the project on the construction site;
  - take reasonable steps to ensure that each contractor's health and safety plan contemplated in sub-regulation (2)(a) is implemented and maintained on the construction site;
  - ensure that the periodic site audits and document verification are conducted at intervals mutually agreed upon between the Principal Contractor and any contractor, but at least once every 30 days;
  - stop any contractor from executing construction work which is not in accordance with the Employer's health and safety specifications and the Principal Contractor health and safety plan for the site or which poses a threat to the health and safety of persons;
  - where changes are brought about to the design and construction, make available sufficient health and safety information and appropriate resources to the contractor to execute the work safely; and
  - discuss and negotiate with the contractor the contents of the health and safety plan contemplated in sub-regulation (2)(a), and must thereafter finally approve that plan for implementation;
- d) ensure that a copy of his or her health and safety plan contemplated in paragraph (a), as well as the contractor's health and safety plan contemplated in sub-regulation (2)(a), is available on request to an employee, an inspector, a contractor, the Employer or the Employer's agent;
- e) hand over a consolidated health and safety file to the Employer upon completion of the construction work and must, in addition to the documentation referred to in sub-regulation (2)(b), include a record of all drawings, designs, materials used and other similar information concerning the completed structure;
- f) in addition to the documentation required in the health and safety file in terms of paragraph(c)(v) and sub-regulation (2)(b), include and make available a comprehensive and updated list of all the contractors on site accountable to the Service Provider / Principal Contractor, the agreements between the parties and the type of work being done; and

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- g) ensure that all his or her employees have a valid medical certificate of fitness specific to the construction work to be performed and issued by an occupational health practitioner in the form of Annexure 3.

## 9. REQUIREMENTS

### 9.1 General Requirements

- a) Create and maintain a safe and healthy work environment,
- b) Execute the works in a manner that complies with all the requirements of the Act and all its associated regulations, and in so doing, minimize the risk of incidents occurring; and
- c) Respond to notices issued by **the Employer or Employer Assistant Manager SHEQ/ SHEQ Officer** as follows:
  - i. Improvement Notice: improve health and safety performance over time so that repeat notices are not issued.
  - ii. Contravention Notice: rectify contravention as soon as possible.
  - iii. Prohibition Notice: terminate affected activities with immediate effect and only recommence activities when it is safe to do so.

### 9.2 Project/Site Specific Requirements

The following is a list of specific activities and considerations that have been identified for the project and site for which Risk Assessment, Standard Work Procedures (SWP), Management and Control Measures and Method Statements (where necessary) have to be developed by the Principal Contractor:

- Clearing and grubbing of the area/site.
- Site establishment including:
  - Offices
  - Secure/safe storage areas for materials, plant and equipment
  - Ablution facilities
  - Sheltered dining area
  - Vehicle access to the site.
- Dealing with existing structures.
- Location of existing services.
- Installation and maintenance of temporary construction electrical supply, lighting and equipment
- Adjacent land uses/surrounding property exposures
- Boundary and access control/public liability exposures (Remember: the employer is also responsible for the OHS of non-employees affected by his/her activities).
- Health risks arising from neighbouring as well as own activities and from the environment, e.g. threats by dogs, bees, snakes, lightning, allergies, etc.
- Exposure to noise.
- Exposure to vibration.
- Protection against dehydration and heat exhaustion.
- Protection from wet and cold conditions.
- Dealing with HIV/Aids and other diseases as per specific programme provided by the Employer or its

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Employer

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agents.

- Use of portable electrical equipment, including;
  - Angle grinder
  - Electrical drilling machine
  - Skill saw
- Excavations including;
  - Ground/soil conditions
  - Trenching
  - Shoring
  - Drainage
  - Daily inspections
- Welding including;
  - Arc welding
  - Gas welding
  - Flame cutting
- Us of LP gas torches and appliances
- Loading and offloading of trucks
- Aggregate/sand and other materials delivery
- Manual and mechanical handling
- Lifting and lowering operations
- Driving and operation of construction vehicles and mobile plant including;
  - Trench machine
  - Excavator
  - Bomag roller
  - Plate compactor
  - Front end loader
  - Mobile crane and the ancillary lifting tackle
  - Parking of vehicles and mobile plant
  - Towing of vehicle and mobile plant
- Use and storage of flammable chemical substances-the Employer and/or its agent on its behalf to be informed of this prior to commencement of the project.
- Temporary works and traffic accommodation.
- Exposure to sewer plants, pipeline and excavations
- Hygiene effects as a result of exposure to sewer
- Environmental pollution
- Protection against flooding
- Gabion work.
- Protection of overhead power lines.
- As discovered by the principal contractor's hazards identification exercise.

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- As discovered from any inspections and audits conducted by the Employer and/or its agent on its behalf or by the principal contractor or any other contractor on site.
- As discovered from any accident/incident investigation

### 9.3 Scope of Work Requirements

The following in particular requirements depending on scope of works and will form a basis for compliance audits:

- a) Administrative & Legal Requirements
- b) Education, Training & Promotion
- c) Public Safety & Emergency Preparedness
- d) Personal Protective Equipment
- e) Housekeeping
- f) Scaffolding, Formwork and Support work
- g) Ladders
- h) Electrical Safeguarding
- i) Emergency/Fire Prevention & Protection
- j) Excavation and Demolition
- k) Formwork
- l) Tools
- m) Cranes
- n) Personnel and Materials Hoists
- o) Transport & Materials Handling
- p) Site Plant and Machinery
- q) Plant & Storage Yard/Site Workshops Specifics
- r) Health & Hygiene

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Employer

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#### 9.4 OUTLINED DATA, REFERENCES AND INFORMATION ON CERTAIN AND/OR SPECIFIC OBLIGATORY REQUIREMENTS TO ENSURE COMPLIANCE

##### A) Administrative & Legal Requirements

| Subject                                                        | OHS Act Section/Regulation | Requirements                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notice Of Construction Work</b>                             | CR 4<br>Annexure 4         | <ul style="list-style-type: none"> <li>The Department of Labour notified</li> <li>Copy of Notice available</li> </ul>                                                                                                                                                                                               |
| <b>Copy of the OHS Act (Act 85 of 1993)</b>                    | GAR 4                      | <ul style="list-style-type: none"> <li>Updated Copy of the Act and Regulations</li> </ul>                                                                                                                                                                                                                           |
| <b>Health and Safety Specifications and Plan/Programme</b>     | CR 5 & 7(1)(a)             | <ul style="list-style-type: none"> <li>H&amp;S specifications from the Employer/Agent.</li> <li>OHS Plan/Programme developed and reviewed regularly.</li> </ul>                                                                                                                                                     |
| <b>Hazard Identification &amp; Risk Assessment</b>             | Section 8(2)(d)<br>CR 9    | <ul style="list-style-type: none"> <li>HIRA carried out/Recorded.</li> <li>Risk Assessment and OHS Plan drawn.</li> <li>RA Plan available on site.</li> <li>Employees/Subcontractors informed/trained.</li> </ul>                                                                                                   |
| <b>Registration with the Compensation Commissioner/Insurer</b> | COLD Act Section 80        | <ul style="list-style-type: none"> <li>Written proof of registration-Letter of good standing.</li> </ul>                                                                                                                                                                                                            |
| <b>Assigned duties (Managers)</b>                              | Section 16(2)              | <ul style="list-style-type: none"> <li>Responsibility of complying with the OHS Act assigned to other persons by the CEO.</li> </ul>                                                                                                                                                                                |
| <b>Designation of person responsible on site</b>               | CR 8(1)                    | <ul style="list-style-type: none"> <li>Competent person appointed in writing as Construction Supervisor with job description.</li> </ul>                                                                                                                                                                            |
| <b>Designation of Assistant for above</b>                      | CR 8(2)                    | <ul style="list-style-type: none"> <li>Competent person appointed in writing as Assistant Construction Supervisor with job description.</li> </ul>                                                                                                                                                                  |
| <b>Designation of Health and Safety Representatives</b>        | Section 17 & 18<br>GAR 6   | <ul style="list-style-type: none"> <li>More than 20 employees-One H&amp;S Rep for each 50 employees or part thereof.</li> <li>Designation of writing, period and area of responsibility specified in terms of GAR 6 &amp; 7</li> <li>Meetings held monthly, minutes kept</li> <li>Actioned by management</li> </ul> |
| <b>Health and Safety Committee</b>                             | Section 19 & 20<br>GAR 5   | <ul style="list-style-type: none"> <li>H&amp;S Committee established.</li> <li>All H &amp; S Reps shall be members of the H &amp; S Committee</li> </ul>                                                                                                                                                            |

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| Subject                                                            | OHS Act Section/Regulation                         | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Agreement with Mandatories/Contractors &amp; Subcontractors</b> | Section 37(1)&(2)                                  | <ul style="list-style-type: none"> <li>Written Agreement with Contractors and Subcontractors</li> <li>List of Contractors and Subcontractors displayed</li> <li>Proof of registration with the Compensation Commissioner/Insurer Letter of good standing.</li> <li>Construction Manager/Supervisor designated.</li> <li>Written arrangements.</li> <li>H&amp;S Reps and Committee.</li> <li>First Aider.</li> </ul>                                                |
| <b>Reporting of incidents (Department Of Labour)</b>               | Section 24 & GAR 8<br>COID Act Section 38, 39 & 41 | <ul style="list-style-type: none"> <li>Incident Reporting Procedure displayed.</li> <li>All incidents in terms of Section 24 reported to the Provincial Director of the DoL within 3 days. (Annexure 1-WCL 1/2).</li> <li>Cases of occupational diseases reported.</li> <li>Copies of reports available on site.</li> <li>Record of first aid injuries kept.</li> </ul>                                                                                            |
| <b>Investigation of incidents</b>                                  | GAR 9                                              | <ul style="list-style-type: none"> <li>All injuries which resulted in the person receiving medical treatment other than first aid, recorded and investigated by investigator designated in writing.</li> <li>Copies of reports available on site</li> <li>Tabled at H&amp;S meetings</li> <li>Action taken by management</li> </ul>                                                                                                                                |
| <b>Fall Prevention &amp; Protection Plan</b>                       | CR 10                                              | <ul style="list-style-type: none"> <li>Competent persons to draw up and supervise the Fall Protection Plan.</li> <li>Proof of appointees' competence available on site.</li> <li>Risk Assessment carried out for working at heights.</li> <li>Fall Protection Plan drawn up/updated available on site</li> </ul>                                                                                                                                                   |
| <b>Roof Work</b>                                                   | CR 10(5)                                           | <ul style="list-style-type: none"> <li>Competent person appointed to draw up and supervise the Roof Work Plan.</li> <li>Proof of appointees' competence available on site.</li> <li>Risk Assessment carried out for roof work.</li> <li>Roof Work Plan drawn up/updated.</li> <li>Roof work inspected before each shift. Inspection Register kept.</li> <li>Employees medical examined for physical &amp; psychological fitness. Written proof on site.</li> </ul> |

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| Subject                | OHS Act Section/Regulation | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Structures</b>      | CR 11                      | <ul style="list-style-type: none"> <li>Information regarding the structure being erected received from the Designer including:</li> <li>Geo-science technical report where relevant.</li> <li>Design loading of the structure.</li> <li>Anticipated dangers/hazards/special measures to construct safely.</li> <li>Method statements and sequence of construction.</li> <li>Risk Assessment carried out.</li> <li>Structures inspected before shift. Inspections register kept.</li> <li>All above information available on site.</li> </ul> |
| <b>Temporary Works</b> | CR 12                      | <ul style="list-style-type: none"> <li>Competent person appointed in writing to supervise erection, maintenance, use and dismantling of Support &amp; Form Work.</li> <li>Design drawings available on site.</li> <li>Risk Assessment carried out.</li> <li>Support &amp; Formwork inspected:</li> <li>Before use/inspection</li> <li>Before pouring of concrete</li> <li>Weekly whilst in place</li> <li>Before stripping/dismantling</li> <li>Inspection register kept</li> </ul>                                                          |
| <b>Scaffolding</b>     | CR 16                      | <ul style="list-style-type: none"> <li>Competent person appointed in writing to:</li> <li>Erect scaffolding (Scaffolding Erectors)</li> <li>Act as scaffolding team leaders.</li> <li>Inspect scaffolding weekly and after inclement weather (Scaffold Inspectors).</li> <li>Written proof of competency of above appointees' available on site.</li> <li>Copy of SABS 085 available on site.</li> <li>Risk Assessment carried out</li> <li>Inspected weekly/after bad weather. Inspection registers kept.</li> </ul>                        |

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| Subject                    | OHS Act Section/Regulation | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suspended Platforms</b> | CR 17                      | <ul style="list-style-type: none"> <li>Competent persons appointed in writing to:</li> <li>Control the erection of suspended platforms</li> <li>Act as Suspended Platforms Team Leaders</li> <li>Inspect suspended scaffolding weekly and after inclement weather</li> <li>Risk Assessment conducted.</li> <li>Certificate of Authorization issued by a Registered Employer's Agent available on site/Copy forwarded to the Department of Labour</li> <li>The following inspections of the whole installation carried out by a competent person: <ul style="list-style-type: none"> <li>After erection and before use</li> <li>Daily prior to use. Daily inspections recorded.</li> </ul> </li> <li>The following tests to be conducted by a competent person: <ul style="list-style-type: none"> <li>Load test of whole installation and working parts every three months.</li> <li>Hoisting ropes/hooks/load attaching devices quarterly. Tests logbook kept.</li> </ul> </li> <li>Employees working on Suspended Platform medically examined for physical &amp; psychological fitness. Written proof available.</li> </ul> |
| <b>Excavation</b>          | CR 13                      | <ul style="list-style-type: none"> <li>Competent person/s appointed in writing to supervise and inspect excavation work.</li> <li>Written proof of competence available on site.</li> <li>Risk Assessment carried out.</li> <li>Inspected: <ul style="list-style-type: none"> <li>Before every shift.</li> <li>After any blasting.</li> <li>After any unexpected fall of ground.</li> <li>After any substantial damage to the shoring.</li> <li>After rain. Inspections register kept.</li> </ul> </li> <li>Method Statement developed where explosives will be used/are used.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Demolition Work</b>     | CR 14                      | <ul style="list-style-type: none"> <li>Competent person/s appointed in writing to supervise and control Demolition Work.</li> <li>Written proof of competence available on site.</li> <li>Risk Assessment carried out.</li> <li>Employer's Agenting survey and Method Statements available on site.</li> <li>Inspections to prevent premature collapse carried out by a competent person before each shift. Inspections register kept.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| Subject                                                                                                              | OHS Act Section/Regulation                                                  | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Materials Hoist</b>                                                                                               | CR 19                                                                       | <ul style="list-style-type: none"> <li>Competent person appointed in writing to inspect Material Hoist.</li> <li>Written proof of competence available on site.</li> <li>Risk Assessment carried out.</li> <li>Material hoist to be inspected weekly by a competent person. Inspections records kept.</li> </ul>                                                                                                                                                                                                          |
| <b>Bulk Mixing Plants</b>                                                                                            | CR 20                                                                       | <ul style="list-style-type: none"> <li>Competent person appointed in writing to control the operation of the Batch Plant and the service, maintenance and cleaning. Register kept.</li> <li>Written proof of competence available on site.</li> <li>Risk Assessment carried out.</li> <li>Bulk Plant to be inspected weekly and record kept.</li> </ul>                                                                                                                                                                   |
| <b>Cranes &amp; Lifting Machines Equipment</b>                                                                       | CR 22<br>DMR 18 & 19                                                        | <ul style="list-style-type: none"> <li>Competent person appointed in writing to inspect Cranes, Lifting Machines and Lifting Equipment.</li> <li>Written proof of competence available on site.</li> <li>Inspection:</li> <li>-All cranes-<b>daily by the operator</b></li> <li>-Tower cranes-<b>after erection/6 monthly</b></li> <li>-Other cranes-<b>annually by competent person</b></li> <li>-Lifting tackle (slings/ropes/chain slings etc.)-<b>daily or before every new application</b></li> </ul>                |
| <b>Inspection &amp; Maintenance of Electrical Installation &amp; Equipment (Including portable electrical tools)</b> | CR 24<br>Electrical Machinery 9 & 10<br>Electrical Installation Regulations | <ul style="list-style-type: none"> <li>Competent person appointed in writing to inspect/test the installation and equipment.</li> <li>Written proof of competence available on site.</li> <li>Electrical Installation &amp; Equipment inspected after installation, after alterations and quarterly. Inspection register kept.</li> <li>Portable electric tools, electric lights and extension leads must be uniquely identified/numbered.</li> <li>Weekly visual inspection by User/Store man. Register kept.</li> </ul> |
| <b>Designation of Stacking &amp; Storage Supervisor</b>                                                              | CR 28<br>GSR 8(1)(a)                                                        | <ul style="list-style-type: none"> <li>Competent person/s with specific knowledge and experience designated to supervise all stacking and storage.</li> <li>Written proof of competence available on site.</li> </ul>                                                                                                                                                                                                                                                                                                     |

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| Subject                                                                             | OHS Act Section/Regulation | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Designation of a person to coordinate emergency planning and fire protection</b> | CR 29<br>ER 9              | <ul style="list-style-type: none"> <li>Person/s with specific knowledge and experience designated to co-ordinate emergency contingency planning, execution and fire prevention measures.</li> <li>Emergency evacuation plan developed:</li> <li>Drilled/practiced</li> <li>Plan &amp; records of drills/practices available on site</li> <li>Fire risk assessment carried out.</li> <li>All fire extinguishing equipment identified and on register</li> <li>Inspected weekly and record kept.</li> <li>Serviced annually.</li> </ul>                                                                                                  |
| <b>First Aid</b>                                                                    | GSR 3                      | <ul style="list-style-type: none"> <li>Every workplace shall be provided with sufficient number of first aid boxes.</li> <li>First aid freely available.</li> <li>Equipment as per the list in the OHS Act.</li> <li>One qualified First Aider appointed for every 50 employees. (Required where more than 10 persons are employed).</li> <li>List of First Aid Officials and Certificates.</li> <li>Name of person/s in charge of the first aid box displayed.</li> <li>Location/s of first aid boxes clearly indicated.</li> <li>Signs instructing employees to report all injuries/illness including first aid injuries.</li> </ul> |
| <b>Personal Protective Equipment (PPE)</b>                                          | GSR 2                      | <ul style="list-style-type: none"> <li>PPE risk assessment carried out</li> <li>Items of PPE prescribed/use enforced.</li> <li>Records of issue kept</li> <li>Undertaking by employee to wear/use PPE</li> <li>PPE remain property of the employer, not to be removed from the premises GRS 2(4).</li> </ul>                                                                                                                                                                                                                                                                                                                           |
| <b>Inspection &amp; Use of welding/flame cutting equipment</b>                      | GSR 9                      | <ul style="list-style-type: none"> <li>Competent person/s with specific knowledge and experience designated to inspect electrical arc, gas welding and flame cutting equipment.</li> <li>Written proof of competence available on site.</li> <li>All new vessels checked for leaks, leaking vessels NOT taken into stock but returned to supplier immediately.</li> <li>Equipment identified/numbered and entered into register.</li> <li>Equipment inspected weekly and record kept.</li> <li>Separate, purpose made storage available for full and empty vessels.</li> </ul>                                                         |

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| Subject                                                                                     | OHS Act Section/Regulation     | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Control of storage &amp; usage of Hazardous Chemical Substances (HCS) and Flammables</b> | HCS Regulations<br>CR 25       | <ul style="list-style-type: none"> <li>Competent person/s with specific knowledge and experience designated to control the storage and usage of HCS (including flammables).</li> <li>Written proof of competence available on site.</li> <li>Risk Assessment carries out.</li> <li>Register of HCS kept on site.</li> <li>MSDS available on site.</li> <li>Separate, purpose made storage available for full and empty containers.</li> </ul>                                                                                                                                                               |
| <b>Vessels Under Pressure (VUP)</b>                                                         | Pressure Equipment Regulations | <ul style="list-style-type: none"> <li>Competent person/s with specific knowledge and experience designated to supervise the use, storage, maintenance, statutory inspections &amp; testing of VUP's.</li> <li>Written proof of competence available on site.</li> <li>Certificate of manufacture available on site.</li> <li>Register of VUP on site.</li> <li>Inspections &amp; testing by Approved Inspection Authority (AIA):</li> <li>After installation/re-erection or repairs.</li> <li>Every 36 months.</li> <li>Register/Logbook of inspections, tests, modifications and repairs kept.</li> </ul> |
| <b>Construction Vehicles &amp; Earth Moving Equipment</b>                                   | CR 23                          | <ul style="list-style-type: none"> <li>Operators/Drivers appointed to:</li> <li>Carry out a daily inspection prior to use</li> <li>Drive the vehicle/plant that he/she is competent to operate/drive.</li> <li>Written proof of competence available on site.</li> <li>Record of daily inspections kept.</li> </ul>                                                                                                                                                                                                                                                                                         |
| <b>Inspection of ladders</b>                                                                | GSR 13A                        | <ul style="list-style-type: none"> <li>Competent person/s appointed in writing to inspect ladders.</li> <li>Ladders inspected at arrival on site and weekly thereafter.</li> <li>Inspection records kept.</li> <li>Application of the type of ladders (wooden, aluminium, etc.) regulated by training and inspections and noted in register.</li> </ul>                                                                                                                                                                                                                                                     |
| <b>Ramps</b>                                                                                | GSR 13B                        | <ul style="list-style-type: none"> <li>Competent person appointed in writing to supervise the erection &amp; inspection of ramps.</li> <li>Inspection register kept.</li> <li>Daily inspected and noted in register.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                             |

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## B) Education and Training

| Subject                                                 | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Company OHS Policy Section 7(1)</b>                  | <ul style="list-style-type: none"> <li>Policy signed by the CEO and published/Circulated to the employees.</li> <li>Policy Displayed on Construction/Employees Notice Board.</li> <li>Management and employees committed.</li> </ul>                                                                                                                                                                                                                                                  |
| <b>Company OHS Rules Section 13(a)</b>                  | <ul style="list-style-type: none"> <li>Construction site rules published and displayed.</li> <li>Follow-up to ensure employees understand/adhere to the policy and rules.</li> </ul>                                                                                                                                                                                                                                                                                                  |
| <b>Induction and Task Safety Training Section 13(a)</b> | <ul style="list-style-type: none"> <li>All new employees receive OHS Induction Training.</li> <li>Training includes Daily Safety Task Instructions (DSTI).</li> <li>Employees acknowledge receipt of training.</li> <li>Follow-up to ensure employees understand/adhere to instructions.</li> </ul>                                                                                                                                                                                   |
| <b>General OHS Training Section 13(a)</b>               | <ul style="list-style-type: none"> <li>All current employees receive specified OHS training: written proof</li> <li>Operators of Plant &amp; Equipment receive specified training</li> <li>Follow-up to ensure employees understand/adhere to instructions.</li> </ul>                                                                                                                                                                                                                |
| <b>Occupational Health and Safety Promotion</b>         | <b>Incident Experience Board indicating:</b> <ul style="list-style-type: none"> <li>Number of hours worked without injured.</li> <li>Number of days worked without an injury.</li> <li>Vision, Mission and Goal, Star Grading-Board kept up to date.</li> <li>Safety Posters displayed &amp; changed regularly.</li> <li>Employee Notice Board for OHS Notice.</li> <li>Site OHS Competition (Company OHS Competition).</li> <li>Participation in projects OHS competition</li> </ul> |

## C) Public Safety & Security Measures & Emergency Preparedness

| Subject                                      | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notices &amp; Signs</b>                   | <ul style="list-style-type: none"> <li>Notices and signs at entrances/along perimeters indicating “<b>No Unauthorised Entry</b>”</li> <li>Notices and signs at the entrance instructing visitors and non-visitors what to do, where to go and where to report when entering the site/yard with directional signs. E.g. “<b>Visitors to report to Office</b>”.</li> <li>Notice and signs posted to warn of overhead work and other hazardous activities. E.g. <b>General Warning Signs</b></li> </ul> |
| <b>Site Safeguarding (Security Measures)</b> | <ul style="list-style-type: none"> <li>Nets, canopies, platforms, fans etc. to protect members of the public/visitors/Employer/employees passing/entering the site.</li> <li>Access control measures/register in operation</li> <li>Security patrols after hours, during weekends and holidays.</li> <li>Sufficient lighting after dark</li> <li>Guard has access to telephone/mobile/other means of emergency communication</li> </ul>                                                              |
| <b>Emergency Preparedness</b>                | <ul style="list-style-type: none"> <li>Emergency contact numbers displayed and made available and accessible to employees and security.</li> <li>Emergency evacuation instructions posted up on all Notice Boards.</li> <li>Emergency contingency plan available on site.</li> <li>Emergency doors open outwards/unobstructed.</li> <li>Emergency alarm audible all over the premises.</li> </ul>                                                                                                    |
| <b>Emergency Drill &amp; Evacuation</b>      | <ul style="list-style-type: none"> <li>Adequate number of employees trained to use firefighting equipment.</li> <li>Emergency evacuation plan available displayed and practiced.</li> </ul>                                                                                                                                                                                                                                                                                                          |

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#### D) Personal Protective Clothing/Equipment

| Subject                 | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PPE Needs Analysis      | <ul style="list-style-type: none"> <li>Determine the needs for PPE identified and prescribed training</li> <li>PPE remain the property of the employer, not to be removed from premises GSR 2(4).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Head protection         | <ul style="list-style-type: none"> <li>All persons on site shall wear safety helmets including subcontractors and visitors</li> <li>Visitors to wear same.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Foot protection         | <ul style="list-style-type: none"> <li>All employees on site shall wear safety footwear including gumboots for concrete/wet work and non-slip shoes for roof work.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Eye and face protection | <ul style="list-style-type: none"> <li><b>Eye and face(Also Hand and Body) Protection</b> (Goggles, face shields, welding helmets etc.) used when operating the following: <ul style="list-style-type: none"> <li>Jack/Kango Hammers</li> <li>Angle/bench grinder</li> <li>Electric drills (Overhead work into concrete/cement/bricks)</li> <li>Explosive powered tools</li> <li>Concrete vibrators/pokers</li> <li>Hammers and chisels</li> <li>Shears</li> <li>Cutting tools and equipment</li> <li>Sanders and sanding machines</li> <li>Cutting/welding tools</li> <li>CO2 and arc welding equipment</li> <li>Skill/bench saws</li> <li>Spray painting equipment.</li> </ul> </li> </ul> |
| Hearing protection      | <ul style="list-style-type: none"> <li><b>Hearing protectors</b> (Muffs, plugs, etc.) used when operating the following: <ul style="list-style-type: none"> <li>Hammers &amp; Chisels</li> <li>Jack/Kango Hammers, etc.</li> <li>Explosive power tools</li> <li>Wood/Aluminium working machines e.g. saws, planers, routers.</li> <li>Angle grinders</li> <li>Drilling machine</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                        |
| Hand protection         | <ul style="list-style-type: none"> <li><b>Protective gloves</b> worn by employees when handling/using: <ul style="list-style-type: none"> <li>Cement/bricks/steel/chemicals</li> <li>Welding equipment</li> <li>Hammers &amp; Chisels</li> <li>Jack/Kango Hammers, etc.</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                               |
| Respiratory protection  | <ul style="list-style-type: none"> <li>Suitable/efficient prescribed <b>Respirators</b> worn correctly by employees handling/using : <ul style="list-style-type: none"> <li>Dry cement</li> <li>Dusty areas</li> <li>Hazardous chemicals</li> <li>Angle grinders</li> <li>Spray painting etc.</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                         |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| Subject                   | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fall Protection Equipment | <ul style="list-style-type: none"> <li>Suitable safety belts/fall arrest equipment correctly used by persons working on/in unguarded, elevated positions, e.g.: <ul style="list-style-type: none"> <li>Scaffolding</li> <li>Riggers</li> <li>Lift shafts</li> <li>Edge work</li> <li>Ring beam edges etc.</li> </ul> </li> <li>Other methods of fall prevention applied e.g. catch nets.</li> </ul>                                                                |
| Protective Clothing       | <ul style="list-style-type: none"> <li>All jobs requiring protective clothing (Overalls, Rain Wear, Welding Aprons, etc.) Identified and clothing worn.</li> </ul>                                                                                                                                                                                                                                                                                                 |
| PPE Issue & Control       | <ul style="list-style-type: none"> <li>Identified equipment issued free of charge</li> <li>All PPE maintained in good condition. (Regular checks).</li> <li>Worker instructed in the proper use and maintenance of PPE.</li> <li>Commitment obtained from the user accepting conditions and to wear the PPE.</li> <li>Record of PPE issued kept on H&amp;S file.</li> <li>PPE remain the property of the employer, not to be removed from the premises.</li> </ul> |

#### E) Housekeeping

| Subject                                                                         | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Scrap Removal System</b>                                                     | <ul style="list-style-type: none"> <li>All items of scrap/unusable off-cuts/rubble and redundant material removed on regular basis. (Daily)</li> <li>Scrap/waste removal from heights by chute/hoist/crane.</li> <li>Nothing thrown/swept over sides.</li> <li>Scrap disposed of in designated containers/areas.</li> <li>Removal from site/yard on a regular basis.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Stacking and Stacking<br/>(Section 1 for<br/>Designation &amp; Register)</b> | <ul style="list-style-type: none"> <li><b>Stacking:</b> <ul style="list-style-type: none"> <li>Stable, on firm level surface/base.</li> <li>Prevent leaning/collapsing</li> <li>Irregular shapes bonded</li> <li>Not exceeding 3x the base</li> <li>Stacks accessible</li> <li>Removal from top only.</li> </ul> </li> <li><b>Storage:</b> <ul style="list-style-type: none"> <li>Adequate storage areas</li> <li>Functional-e.g. demarcated storage areas/racks/bin etc.</li> <li>Special areas identified and demarcated e.g. flammable gas, cement, etc.</li> <li>Neat, safe, stable and square.</li> <li>Store/storage areas clear of superfluous material.</li> <li>Storage behind sheds etc. neat/under controls.</li> <li>Storage areas free from weeds, litter.</li> </ul> </li> </ul> |
| <b>Waste<br/>Control/Reclamation</b>                                            | <ul style="list-style-type: none"> <li>Re-usable off-cuts or other re-usable material removed daily and kept to a minimum in the work areas.</li> <li>All re-usable materials neatly stacked/stored in designated areas. (Nails removed/bent over in re-usable timber).</li> <li>Issue of hardware/nails/screws/cartridges etc. controlled and return of unused items monitored.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Sub-Contractors</b>                                                          | <ul style="list-style-type: none"> <li>Sub-contractors required to comply with Housekeeping requirements.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## F) Working At Heights (Including Roof Work)

| Subject         | Requirements                                                                                                                                                                                                                                                                                                           |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Openings</b> | <ul style="list-style-type: none"> <li>Unprotected openings adequately guarded/fenced/barricaded/catch nets installed.</li> <li>Roof work discontinued when bad/hazardous weather.</li> <li>Fall protection measures (including warning notices) when working close to edges or on fragile roofing material</li> </ul> |

## G) Scaffolding

| Subject                          | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Access/System Scaffolding</b> | <ul style="list-style-type: none"> <li>Foundation firm/Stable.</li> <li>Sufficient bracing.</li> <li>Tied to structure/prevented from side or cross movement.</li> <li>Platform boards in good condition/sufficient/secured.</li> <li>Handrails and toe boards provided.</li> <li>Access ladders/stairs provided.</li> <li>Areas under scaffolding tidy.</li> <li>Safe/unsafe for use signs.</li> <li>Complying with OHS Act and SANS 085</li> </ul> |
| <b>Mobile Scaffolding</b>        | <ul style="list-style-type: none"> <li>Foundation firm / stable</li> <li>Sufficient bracing.</li> <li>Platform boards in good condition/sufficient/secured.</li> <li>Handrails and toe boards provided.</li> <li>Access ladders / stairs provided.</li> <li>Area/s under scaffolding tidy.</li> <li>Safe/unsafe for use signs</li> </ul>                                                                                                             |
| <b>Mobile Scaffolding</b>        | <ul style="list-style-type: none"> <li>Wheels / swivels in good condition</li> <li>Brakes working and applied.</li> <li>Height to base ratio correct.</li> <li>Outriggers used where necessary</li> <li>Complying with OH&amp;S Act/SABS 085</li> </ul>                                                                                                                                                                                              |
| <b>Suspended Scaffolding</b>     | <ul style="list-style-type: none"> <li>Outriggers securely supported and anchored.</li> <li>Correct No. of steel wire ropes used.</li> <li>Platform as close as possible to the structure.</li> <li>Handrails on all sides</li> <li>All winches / ropes / cables / brakes inspected regularly and replaced as prescribed</li> <li>Scaffolding complies with OHS Act (Act 85/93)</li> <li>Winch(es) maintained by competent person(s)</li> </ul>      |
| <b>Formwork / Support Work</b>   | <ul style="list-style-type: none"> <li>All components in good condition.</li> <li>Foundation firm / stable.</li> <li>Adequate bracing / stability ensured.</li> <li>Good workmanship / uprights straight and plumb.</li> <li>Good cantilever construction.</li> <li>Safe access provided.</li> <li>Areas under support work tidy.</li> <li>Same standards as for system scaffolding.</li> </ul>                                                      |
| <b>Special Scaffolding</b>       | <ul style="list-style-type: none"> <li>Special Scaffolding e.g. Cantilever, Jib and Truss-out scaffolds erected to an acceptable standard and inspected by specialists.</li> </ul>                                                                                                                                                                                                                                                                   |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| Subject                     | Requirement                                                                                                                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Edges &amp; Openings</b> | <ul style="list-style-type: none"> <li>Edges barricaded to acceptable standards.</li> <li>Manhole openings covered / barricaded.</li> <li>Openings in floor / other openings covered, barricaded/fenced.</li> <li>Stairs provided with handrails.</li> <li>Lift shafts barricaded / fenced off.</li> </ul> |

#### H) Ladders

| Subject                                       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Physical Condition / Use &amp; Storage</b> | <ul style="list-style-type: none"> <li>Stepladders - hinges/stays/braces/stiles in order.</li> <li>Extension ladders - ropes/rungs/stiles/safety latch/hook in order.</li> <li>Extension / Straight ladders secured or tied at the bottom / top.</li> <li>No joined ladders used</li> <li>Wooden ladders are never painted except with varnish</li> <li>Aluminium ladders NOT to be used with electrical work</li> <li>All ladders stored on hooks / racks and not on ground.</li> <li>Ladders protrude 900 mm above landings / platforms / roof.</li> <li>Fixed ladders higher than 5 m have cages/Fall arrest system</li> </ul> |

#### I) Electricity (As Part Of, Or Additional To The Manual "Safety & Switch Procedure For Electrical Installations")

| Subject                                                   | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Electrical Distribution Boards &amp; Earth Leakage</b> | <ul style="list-style-type: none"> <li>Colour-coded / numbered / symbolic sign displayed.</li> <li>Area in front kept clear and unobstructed.</li> <li>Fitted with inside cover plate / openings blanked off / no exposed "live" conductors / terminals/Door kept close</li> <li>Switches / circuit breakers identified.</li> <li>Earth leakage protection unit fitted and operating.</li> <li>Tested with instrument: Test results within 15 – 30 milliamps</li> <li>Aperture/Opening/s provided for the plugging in and removal of extension leads without the need to open the door</li> <li>Apertures and openings used for extension leads to be protected against the elements and especially rain</li> </ul>                                                                         |
| <b>Electrical Installations &amp; Wiring</b>              | <ul style="list-style-type: none"> <li>Temporary wiring / extension leads in good condition / no bare or exposed wires.</li> <li>Earthing continuity / polarity correct:</li> <li>Looking at the open connectors to connect the wiring, the word "Brown" has the letter 'R' in it, so the b'<b>R</b>own</li> <li>wire connects to the '<b>R</b>ight hand connector. "Blue" has the letter 'L' in it, so the b'<b>L</b>'ue wire connects to the</li> <li>'<b>L</b>eft hand connector.</li> <li>Cables protected from mechanical damage and moisture.</li> <li>Correct loading observed e.g. no heating appliance used from lighting circuit etc.</li> <li>Light fittings/lamps protected from mechanical damage/moisture.</li> <li>Cable arrestors in place and used inside plugs</li> </ul> |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| Subject                                                        | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Physical condition of Electrical Appliances &amp; Tools</b> | <ul style="list-style-type: none"> <li>Electrical Equipment and Tools: (includes all items plugging in to a 16 Amp supply socket)</li> <li>Insulation / casing in good condition.</li> <li>Earth wire connected/intact where not of double insulated design</li> <li>Double insulation mark indicates that no earth wire is to be connected.</li> <li>Cord in good condition/no bare wires/secured to machine &amp; plug.</li> <li>Plug in good condition, connected correctly and correct polarity.</li> </ul> |

#### J) Emergency And Fire Prevention And Protection

| Subject                                                                    | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fire Extinguishing Equipment</b>                                        | <ul style="list-style-type: none"> <li>Fire Risks Identified and on record</li> <li>The correct and adequate Fire Extinguishing Equipment available for: <ul style="list-style-type: none"> <li>Offices</li> <li>General Stores</li> <li>Flammable Store</li> <li>Fuel Storage Tank/s and catchment well</li> <li>Gas Welding / Cutting operations</li> <li>Where flammable substances are being used / applied.</li> <li>Equipment Easily Accessible</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Maintenance</b>                                                         | <ul style="list-style-type: none"> <li>Fire equipment checked minimum monthly, serviced yearly</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Location &amp; Signs</b>                                                | <ul style="list-style-type: none"> <li>Fire Extinguishing Equipment:</li> <li>Clearly visible</li> <li>Unobstructed</li> <li>Signs posted including "No Smoking" / "No Naked Lights" where required. (Flammable store, Gas store, Fuel tanks etc.)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Issue &amp; Control of Flammables (incl. Gas cylinders)</b>     | <ul style="list-style-type: none"> <li>Storage Area provided for flammables with suitable doors, ventilation, bund etc.</li> <li>Flammable store neat / tidy and no Class A combustibles. Decanting of flammable substances carried out in ignition free and adequately ventilated area. Container bonding principles applied</li> <li>Only sufficient quantities issued for one task or one day's usage</li> <li>Separate, special gas cylinder store/storage area.</li> <li>Gas Cylinders stored / used / transported upright and secured in trolley/cradle/structure and ventilated.</li> <li>Types of Gas Cylinders clearly identified as well as the storage area and stored separately.</li> <li>Full cylinders stored separately from empty cylinders.</li> <li>All valves, gauges, connections, threads of all vessels to be checked regularly for leaks.</li> <li>Leaking acetylene vessels to be returned to the supplier <b>IMMEDIATELY</b>.</li> </ul> |
| <b>Storage, Issue &amp; Control of Hazardous Chemical Substances (HCS)</b> | <ul style="list-style-type: none"> <li>HCS storage principles applied: products segregated</li> <li>Only approved, non-expired HCS to be used</li> <li>Only the prescribed PPE shall be used as the minimum protection</li> <li>Provision made for leakage/spillage containment and ventilation</li> <li>Emergency showers/eye wash facilities provided</li> <li>HCS under lock &amp; key controlled by designated person</li> <li>Decanted/issued in containers as prescribed with information/warning labels</li> <li>Disposal of unwanted HCS by accredited disposal agent</li> <li>No dumping or disposal of any HCS on or inside the storage area or anywhere else on the project site</li> <li>All vessels or containers to be regularly checked for leaks</li> </ul>                                                                                                                                                                                        |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### K) Excavation and trenching

| Subject            | Requirement                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Excavations</b> | <ul style="list-style-type: none"> <li>Shored / Braced to prevent caving / falling in.</li> <li>Provided with an access ladder.</li> <li>Excavations guarded/barricaded/lighted after dark in public areas</li> <li>Soil dumped at least 1 m away from edge of excavation</li> <li>On sloping ground soil dumped on lower side of excavation</li> <li>All excavations are subject to daily inspections</li> </ul> |

### L) Tools

| Subject                        | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hand Tools</b>              | <p><b>Shovels / Spades / Picks:</b></p> <ul style="list-style-type: none"> <li>* Handles free from cracks and splinters</li> <li>* Handles fit securely</li> <li>* Working end sharp and true</li> </ul> <p><b>Hammers:</b></p> <ul style="list-style-type: none"> <li>* Good quality handles, no pipe or reinforcing steel handles.</li> <li>* Handles free from cracks and splinters</li> </ul> <p>Handles fit securely</p> <p><b>Chisels:</b></p> <ul style="list-style-type: none"> <li>* No mushroomed heads / heads chamfered</li> <li>* Not hardened</li> <li>* Cutting edge sharp and square</li> </ul> <p><b>Saws:</b></p> <ul style="list-style-type: none"> <li>* Teeth sharp and set correctly</li> <li>* Correct saw used for the job</li> </ul> |
| <b>Explosive Powered Tools</b> | <ul style="list-style-type: none"> <li>Only used by trained / authorised personnel.</li> <li>Prescribed warning signs placed / displayed where tool is in use.</li> <li>Work area must be properly isolated/demarcated during use of tool.</li> <li>Inspected at least monthly by competent person and results recorded.</li> <li>Issue and return recorded including cartridges / nails and unused cartridges / nails / empty shells recorded.</li> <li>Cleaned daily after use.</li> </ul>                                                                                                                                                                                                                                                                  |

### M) Cranes

| Subject            | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tower Crane</b> | <ul style="list-style-type: none"> <li>Only operated by trained authorised operator with valid certificate of training</li> <li>Structure - no visible defects</li> <li>Electrical installation good/safe</li> <li>Crane hook: Throat pop marked/safety latch fitted/functional</li> <li>SWL/MML displayed</li> <li>Limit switches with backup switches fitted/operational</li> <li>Access Ladder fitted with backrests/Fall arrest system installed</li> <li>Lifting tackle in good condition/inspection colour coding</li> <li>Lifting tackle checked daily</li> </ul> |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| Subject                       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mobile Crane</b>           | <ul style="list-style-type: none"> <li>Only operated by trained authorised operator with valid certificate of training</li> <li>Rear view mirrors</li> <li>Windscreen visibility good</li> <li>Windscreen wipers operating effectively</li> <li>Indicators operational</li> <li>Hooter working</li> <li>Tyres safe/sufficient tread/pressure visibly sufficient</li> <li>No missing Wheel nuts Headlights, taillights operational</li> <li>Reverse alarm working and audible and known by all employees</li> </ul>                                                                                                                      |
| <b>Mobile Crane continued</b> | <ul style="list-style-type: none"> <li>Grease nipples and grease on all joints</li> <li>No Oil leaks</li> <li>Hydraulic pipes visibly sound/no leaks</li> <li>No corrosion on Battery terminals</li> <li>Boom visibly in good condition/no apparent damage</li> <li>Cable/sheaves greased/no visible damage/split wires/corrosion and checked daily</li> <li>Brakes working properly</li> <li>Crane hook: Throat pop marked/safety latch fitted/functional</li> <li>SWL/MML displayed</li> <li>By-pass valves operational</li> <li>Deflection chart displayed/visible to operator/driver</li> <li>Outriggers functional used</li> </ul> |
| <b>Gantry Crane</b>           | <ul style="list-style-type: none"> <li>Only operated by trained authorised persons</li> <li>Correct slinging techniques used</li> <li>Recognised/displayed on chart signals used</li> <li>Log book kept/up to date</li> <li>Prescribed inspections conducted on crane &amp; lifting tackle and checked daily</li> <li>"Crane overhead" signage, where applicable</li> <li>Crane hook: Throat pop marked/safety latch fitted/functional</li> <li>SWL/MML displayed/load limiting switches fitted/operational</li> </ul>                                                                                                                  |

#### N) Builder's Hoist

| Subject                | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Builder's Hoist</b> | <ul style="list-style-type: none"> <li>"Hoist In Operation" - sign displayed.</li> <li>General construction strong and free from patent defects.</li> <li>Tower: * Adequately secured / braced.</li> <li>At least 900 mm available for over travel.</li> <li>Barricaded at least 2 100 mm high at ground level and floors.</li> <li>Landing place provided with gate at least 1 800 high.</li> <li>Platform: * No persons conveyed on platform</li> <li>Steel wire ropes with breaking strength of six times max. load.</li> <li>Signal systems used which may include two way radio connection.</li> <li>Goods prevented from moving / falling off.</li> <li>Effective brake capable of stopping and holding max. load.</li> </ul> |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



### O) Transport & Material Handling Equipment

| Subject              | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Site Vehicles</b> | <ul style="list-style-type: none"> <li>All Site Vehicles, Dumpers, Bobcats, Loaders etc; checked daily before use by driver / operator.</li> <li>Inventory of vehicles used/operated on site</li> <li>Inspection by means of a checklist / results recorded.</li> <li>No persons riding on equipment not designed or designated for passengers.</li> <li>Site speed limit posted, enforced and not exceeded.</li> <li>Drivers / Operators trained / licensed and carrying proof.</li> <li>No unauthorised persons allowed to drive/operate equipment.</li> </ul> |
| <b>Conveyors</b>     | <ul style="list-style-type: none"> <li>Conveyor belt nip points and drive gear guarded.</li> <li>Emergency stop/lever/brake fitted, clearly marked &amp; accessible and tested to be functional under full load.</li> </ul>                                                                                                                                                                                                                                                                                                                                      |

### P) Site Plant & Machinery

| Subject                      | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Brick Cutting Machine</b> | <ul style="list-style-type: none"> <li>Operator Trained.</li> <li>Only authorised persons use the machine.</li> <li>Emergency stop switch clearly marked and accessible.</li> <li>Area around the machine dry and slip/trip free/clear of off-cuts</li> <li>All moving drive parts guarded/electrical supply cable protected</li> <li>Operator using correct PPE - eye/face/hearing/foot/hands/body.</li> </ul>                                                                                           |
| <b>Electric Arc Welder</b>   | <ul style="list-style-type: none"> <li>Welder Trained.</li> <li>Only authorised / trained persons use welder.</li> <li>Earth cable adequately earthed to work.</li> <li>Electrode holder in good condition/safe</li> <li>Cables, clamps &amp; lugs/connectors in good condition.</li> <li>Area in which welding machine is used is dry/protected from wet.</li> <li>Welder using correct PPE - eye/ face/foot/body/respirator.</li> <li>Correct transparent screens &amp; warning signs placed</li> </ul> |
| <b>Woodworking Machines</b>  | <ul style="list-style-type: none"> <li>Operators Trained.</li> <li>Only authorised persons use machines.</li> <li>Provided with guards.</li> <li>Guards used.</li> <li>Operators using correct PPE - eye/face/feet/hearing</li> <li>Circular saws strictly operated according to prescribed methods and settings</li> <li>Only prescribed saw blades (cross-cut, ripping blade, smooth cut, aluminium) shall be used for various applications</li> </ul>                                                  |
| <b>Compressors</b>           | <ul style="list-style-type: none"> <li>Relief valves correctly set and locked / sealed.</li> <li>Maximum Safe Working Pressure (MSWP) indicated on face of pressure gauge: not on glass cover.</li> <li>All drives adequately guarded.</li> <li>Receiver/lines drained daily</li> <li>Hoses good condition/clamped, not wired</li> <li>Compressed air NEITHER used to dust off clothing/PPE/ and work areas NOR on bare skin</li> </ul>                                                                   |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| Subject                                      | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Concrete Mixer / Batch Plant</b>          | <ul style="list-style-type: none"> <li>• Top platform provided with guardrails.</li> <li>• Dust abatement methods in use.</li> <li>• Operators using correct PPE - eye / hands / respirators.</li> <li>• All moving drive parts guarded.</li> <li>• Emergency stops identified / indicated and accessible.</li> <li>• Area kept clean/dry/and free from tripping and slipping hazards.</li> <li>• Operator's overseer identified and crane signals displayed and used.</li> </ul>                                                                                                      |
| <b>Gas Welding / Flame Cutting Equipment</b> | <ul style="list-style-type: none"> <li>• Only authorised/trained persons use the equipment.</li> <li>• Torches and gauges in good condition.</li> <li>• Flashback arrestors fitted at cylinders and gauges.</li> <li>• Hoses in good condition/correct type/all connections with clamps</li> <li>• Cylinders stored, used and transported in upright position, secured in trolley / cradle / to structure.</li> <li>• All cylinders regularly checked for leaks, leaking cylinders returned immediately</li> <li>• Fire prevention/control methods applied/hot work permits</li> </ul> |

#### Q) Plant & Storage Yards/Site Workshops Specifics

| Subject                                                                                                               | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Section 8(2)(1) General Machinery Regulation 2(1): Supervision of the Use &amp; Maintenance of Machinery</b>       | <ul style="list-style-type: none"> <li>• Person/s with specific knowledge and experience designated in writing to Supervise the Use &amp;</li> <li>• Maintenance of Machinery</li> <li>• Critical items of Machinery identified/numbered/placed on register/inventory</li> <li>• Inspection/maintenance schedules for abovementioned</li> <li>• Inspections/maintenance carried out to above schedules</li> <li>• Results recorded</li> </ul>         |
| <b>General Machinery Regulation 9(2): Notices re. Operation of Machinery</b>                                          | <ul style="list-style-type: none"> <li>• Schedule D Notice posted in Work areas</li> </ul>                                                                                                                                                                                                                                                                                                                                                            |
| <b>Pressure Vessels Regulation 13(1)(b): Supervision of the Use &amp; Maintenance of Vessels under Pressure (VuP)</b> | <ul style="list-style-type: none"> <li>• Person/s with specific knowledge and experience designated in writing to Supervise the Use &amp; Maintenance of VuP's</li> <li>• VuP's identified/numbered/placed on register/Manufacturers plate intact</li> <li>• Inspection/maintenance schedules for abovementioned</li> <li>• Inspections/maintenance carried out to above schedules</li> <li>• Results recorded/Test certificates available</li> </ul> |
| <b>Lock-out Procedure</b>                                                                                             | <ul style="list-style-type: none"> <li>• Lock-out procedure in operation</li> </ul>                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Ergonomics</b>                                                                                                     | <ul style="list-style-type: none"> <li>• Ergonomics survey conducted – results on record</li> <li>• Survey results applied</li> </ul>                                                                                                                                                                                                                                                                                                                 |
| <b>Demarcation &amp; Colour Coding</b>                                                                                | <ul style="list-style-type: none"> <li>• Demarcation principles applied</li> <li>• All services, pipes, electrical installation, stop-start controls, emergency controls etc. colour coded to own published or SABS standard</li> <li>• Employees trained to identify colour-coding</li> </ul>                                                                                                                                                        |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| Subject                               | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Portable &amp; Bench Grinders</b>  | <ul style="list-style-type: none"> <li>Area around grinder clear/trip/slip free</li> <li>Bench grinders mounted securely/grinder generally in good condition/No excessive vibration</li> <li>On/Off switch/button clearly demarcated/accessible</li> <li>Adequate guards in place</li> <li>Tool rest – secure/square/max. 2 mm gap, perpendicular to drive shaft</li> <li>Stone/disk - correct type and size/mounted correctly/dressed</li> <li>Use of Eye protection enforced</li> </ul> |
| <b>Battery Storage &amp; Charging</b> | <ul style="list-style-type: none"> <li>Adequately ventilated, ignition free room/area/no smoking signs</li> <li>Batteries placed on rubber/wooden surface</li> <li>Emergency shower/eye wash provided</li> <li>No acid storage in area</li> <li>Prescribed methods in place and adhered to when charging batteries</li> </ul>                                                                                                                                                             |
|                                       | <ul style="list-style-type: none"> <li>Chain Blocks/Tirfors/jacks/mobile gantries etc. identified/numbered on register</li> <li>Chains in good condition/links no excessive wear/checked daily</li> <li>Lifting hooks – throat pop marked/safety latch fitted</li> <li>SWL/MMML marked/displayed</li> </ul>                                                                                                                                                                               |
| <b>Presses/Guillotines/Shears</b>     | <ul style="list-style-type: none"> <li>Only operated by trained/authorised persons</li> <li>Interlocks/lock-outs fitted/PPE worn or used at all times</li> </ul>                                                                                                                                                                                                                                                                                                                          |

#### R) Workplace Environment, Health & Hygiene

| Subject            | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Lighting</b>    | <ul style="list-style-type: none"> <li>Adequate lighting in places where work is being executed e.g. stairwells and basements.</li> <li>Light fittings placed / installed causing no irritating/blinding glare.</li> <li>Stroboscopic effect eliminated (not only reduced) where moving objects or machinery is used</li> </ul>                                                                                                                                                                                                            |
| <b>Ventilation</b> | <ul style="list-style-type: none"> <li>Adequate ventilation/extraction/ exhausting in hazardous areas e.g. chemicals/adhesives/welding/petrol or diesel/motors running and in confined spaces/basements.</li> </ul>                                                                                                                                                                                                                                                                                                                        |
| <b>Noise</b>       | <ul style="list-style-type: none"> <li>Tasks identified where noise levels exceeds 85 dB at any one time.</li> <li>All reasonable steps taken to reduce noise levels at the source.</li> <li>Hearing protection used where noise levels could not be reduced to below 85 dB.</li> </ul>                                                                                                                                                                                                                                                    |
| <b>Heat Stress</b> | <ul style="list-style-type: none"> <li>Measures in place to prevent heat exhaustion in heat stress problem areas e.g. steel decks, when the WBGT index reaches 30. (See Environmental Regulation 4)</li> <li>Cold drinking water readily available at all times.</li> </ul>                                                                                                                                                                                                                                                                |
| <b>Ablutions</b>   | <ul style="list-style-type: none"> <li>Sufficient hygiene facilities provided - 1 toilet per 30 employees (National Building Regulations prescribe chemical toilets for Construction sites)</li> <li>Toilet paper available.</li> <li>Sufficient showers provided.</li> <li>Facilities for washing hands provided</li> <li>Soap/cleaning agent available for washing hands</li> <li>Means of drying hands available</li> <li>Lock-up changing facilities / area provided.</li> <li>Ablution facilities kept hygienic and clean.</li> </ul> |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| Subject                              | Requirement                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eating / Cooking Facilities</b>   | <ul style="list-style-type: none"> <li>Adequate storage facilities provided.</li> <li>Weather protected eating area provided, separate from changing area</li> <li>Refuse bins with lids provided.</li> <li>Facilities kept clean and hygienic.</li> </ul>                                                                                                                                       |
| <b>Pollution of Environment</b>      | <ul style="list-style-type: none"> <li>Measures in place to minimize dust generation.</li> <li>Accumulation or littering of empty cement pockets, plastic wrapping / bags, packing materials etc. prevented.</li> <li>Spillage / discarding of oil, chemicals and diesel into storm water and other drains or into existing or newly dug holes/cavities on site expressly prohibited.</li> </ul> |
| <b>Hazardous Chemical Substances</b> | <ul style="list-style-type: none"> <li>All substances identified and list available e.g. acids, flammables, poisons etc.</li> <li>Material Safety Data Sheets (MSDS) indicating hazardous properties and emergency procedures in case of incident on file and readily available.</li> <li>Substances stored safely.</li> <li>Expiry dates meticulously checked where applicable</li> </ul>       |

## 10. THE PRINCIPAL CONTRACTOR'S GENERAL DUTIES

The Principal Contractor shall at all times ensure his status of an "employer" as referred to in the Act and will abide by his/her responsibilities, duties and functions as per the requirements of the Act and Regulations with specific reference to Section 8 of the Act.

The Principal Contractor shall keep, and on-demand make available, a copy of the Act on-site at all times and in addition to that he/she will introduce and maintain a file titled "Health and Safety File", or other records in permanent form, which shall contain all relevant aspects and information as contemplated in the Construction Regulations. He/she will make this file available to the Employer or his representative whenever necessary or on request to an interested party.

## 11. THE PRINCIPAL CONTRACTOR'S SPECIFIC DUTIES

The Principal Contractor's specific duties in terms of these specifications are detailed in the Construction Regulations 2014. The Principal Contractor shall ensure compliance to the Act and its Regulations and specifically to the above regulations, and document each record in the Health and Safety File.

The Contractor shall ensure that no work commences on an electrical installation which requires a new supply or an increase in electricity supply before the person who supplies or contracts or agrees to supply electricity to that electrical installation has been notified of such work. The contractor shall ensure that no asbestos work is carried out before the Provincial Director of the Department of Labour has been notified in writing.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## 12. THE GENERAL NOTES TO THE PRINCIPAL CONTRACTOR

### Legal Framework

#### Part of legal obligations

The more important Acts and relevant subordinate/secondary legislation as well as other (inter alia Local Government) legislation that also apply to the State as well as to State-owned buildings and premises: -

- (i) The latest issue of SABS 0142: "Code of Practice for the Wiring of Premises"
- (ii) The Local Government Ordinance 1939 (Ordinance 17 of 1939) as amended and the municipal by-laws and any special requirements of the local supply authority
- (iii) The Fire Brigade Services Act 1987, Act 99 of 1987 as amended
- (iv) The National Building Regulations and Building Standards Act 1977 (Act 103 of 1977) as amended and relevant proclaimed Regulations (SABS 0400)
- (v) The Post Office Act 1958 (Act 44 of 1958) as amended
- (vi) The Electricity Act 1984, Act 41 of 1984
- (vii) The Regulations of Local Gas Board(s), including Publications of the SABS Standards and Codes of Practice, with specific reference to GNR 17468 dated 4th October 1997
- (viii) Legislation pertaining to water usage and the environment
- (ix) Legislation governing the use of equipment, which may emit radiation (e.g. X-Rays etc.)
- (x) Common Law

### Legal Liabilities

Common Law and Legislation

Based on two main criteria –

- Would the reasonable person have foreseen the hazard?  
**That is a reasonable person in that specific position, taking experience, qualifications, authority, position in the organization etc. into consideration**
- Would the reasonable person have taken precautionary measures (action) to prevent or limit the hazard?

Negligence can be proven on failure on any or both of the above criteria (There may not necessarily be a relationship between criminal and civil liability!)

### Lockout Systems – Electrical

A system of control shall be established in order that no unauthorized person can energize a circuit, open a valve, or activate a machine on which people are working or doing maintenance, even if equipment, plant or machinery is out of commission for any period, thus eliminating injuries and damage to people and equipment as far as is reasonably practicable.

Physical/mechanical lock-out systems shall be part of the safety system and included in training. Lockouts shall be tagged and the system tested before commencing with any work or repairs.

|            |           |           |          |           |           |
|------------|-----------|-----------|----------|-----------|-----------|
|            |           |           |          |           |           |
| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |

## Incident Investigation

Inspection and reporting is the best way in which a responsible contractor can control his area of responsibility. All incidents therefore, irrespective of whether it gave rise to loss, injury, damage or not, shall be investigated and the results recorded in the Health and Safety File. (attached GAR 9)

### 13. GENERAL

The project under control of the Principal Contractor shall be subject to periodic health and safety audits that will be conducted by the Employer at intervals agreed upon between the Principal Contractor and the Employer, provided such intervals will not exceed periods of one month. The Principal Contractor is to ensure that he/she and all persons under his control on the construction site shall adhere to the above specifications, as non-conformance will lead to the Employer taking action as directed by Construction Regulation 5(1)(q). The Principal Contractor should note that he/she shall be held liable for any anomalies including costs and resulting deficiencies due to delays caused by non-conformance and/or non-compliance to the above Health and Safety Specifications and the Health and Safety Plan based on these specifications.

#### 13.1 Emergency Procedures

The contractor shall submit for acceptance of the **Employer or his representative Assistant Manager: SHEQ/Construction SHE Officer** an Emergency Procedure which includes but are not limited to fire, spills, accidents to employees, exposure to hazardous substances, which:

- Identifies the key personnel who are to be notified of any emergency
- Sets out details including contact numbers of available emergency services; and
- The actions or steps which are to be taken during an emergency.

The Contractor shall within 24 hours of an emergency taking place notify **the Employer or his representative Assistant Manager SHEQ/ SHEQ Officer** in writing of the emergency and briefly outline what happened and how it was dealt with.

#### 13.2 Health and Safety File

Contents of the OHS plan.

The OHS plan shall include but not limited to the following:

- **Principal contractor OHS Policy**
- **Legal and other requirements:** Principal contractor must specify what legal and other requirements will be applicable to the construction process:
- **Hazard Identification and Risk Assessment:** The principal contractor must in detail demonstrate how, when, where and what type of risk assessments and by whom risk assessments will be conducted?
- **Objectives and targets:** Objectives and targets must be set and detailed description to be given how objectives and targets will be reached.
- **Resources, Roles, and responsibilities:** Appointments, who will be appointed for what.
- **Competency training and awareness:** Detailed description of what training will take place, including induction, job specific training and external training.
- **Communication:** Types of communication that will take place. Meetings and frequency of meetings (OHS committee meetings / site meetings. Monthly reports.
- **Performance monitoring:** What types of monitoring would be done: Inspections/ PTO's etc.
- **Inspections:** Inspections, frequency of inspections the people responsible for inspections.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- **Incident Management and Investigation:** Who, when, why, where, and how incidents will be managed.
- **Audits:** Types of audits and frequency of audits
- **Signage:** Signage that will be used
- Access control / Security
- Public Health and Safety
- Traffic Management and accommodation
- PPE Management
- First Aid arrangements
- Emergencies
- Management of subcontractors.
- Control of Documents
- Occupational Health and Safety budget
- **Operational control:** This refers to the material, equipment and activities that will take place on site based on the scope of work and will be as follows:
  - ✓ Signage
  - ✓ Equipment transport to site. Delivery and offloading.
  - ✓ Construction employee facilities
  - ✓ Stacking and Storage
  - ✓ Housekeeping
  - ✓ Waste management
  - ✓ Construction vehicles and mobile plant
  - ✓ Hand tools
  - ✓ Temporary electrical installations
  - ✓ Electrical work
  - ✓ Use of portable electrical tools
  - ✓ Ladders
  - ✓ Clearing and grubbing. Vegetation clearance
  - ✓ Excavations
  - ✓ Bedding and Backfilling
  - ✓ Lifting machines and lifting equipment
  - ✓ Lifting operations
  - ✓ Welding and flame cutting activities.
  - ✓ Grinding / Using circular saws.
  - ✓ Tie into existing services
  - ✓ Confined spaces
  - ✓ Electrical and mechanical works.
  - ✓ Adverse weather conditions
  - ✓ Use and storage of flammable liquids.
  - ✓ Hazardous chemical substances
  - ✓ Dangerous animals.
  - ✓ Working close to water environments
  - ✓ Lighting
  - ✓ Ventilation
  - ✓ Noise
  - ✓ Working in or with sewage / effluent
  - ✓ Removing asbestos material.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



The OH&S file / files opened in terms of Construction Regulation 5(1)(s) and CR 7(1)(b) shall be always kept on site. This shall be a file or permanent record containing information on aspects of the contract regarding OHS of any person who may be affected by the construction work.

The principal contractor shall appoint a suitably qualified person to prepare the file / files and to keep it up to date for the duration of the contract. The file shall include the following information but not limited to:

- Appointment – Principal contractor
- 37(2) Mandatory agreement between Employer and principal contractor
- Appointment – OHS Agent
- Employer OHS specifications.
- Employer Baseline Risk assessment
- Principal contractor OHS plan and approval.
- Construction Work Permit
- Letter of Good Standing
- Public liability insurance
- Copy of the Occupational Health and Safety Act
- Copy of Construction Regulations
- Copy of the COID Act
- Legal Register
- OHS Policy
- Organogram & Appointments & Competencies of appointed persons
- Employee management: Personal profiles / ID's / Medicals with annexure 3 attached.
- Risk Management: Risk assessment review register / method statements / risk assessments / safe operating procedures / planned task observations / daily safety task instructions.
- Training and communication. (Induction / toolbox talks)
- Minutes of meetings
- Monthly reports
- Inspections
- Incident management: Incident registers / Incident investigations forms & templates
- Emergency Management
- PPE management
- Management of Contractors
- Fall protection.
- HCS
- Construction vehicles and mobile plant
- Lifting machines
- Traffic management
- Waste management
- COC's (Certificate of compliance)
- Confined spaces
- Excavation inspections

The Contractor shall maintain on site a health and safety file which contains copies of the following, as relevant:

**Documents required prior to commencing with physical construction activities**

- a) The Contractor's health and safety policy signed by the Chief Executive Officer, which outlines the Contractor's objectives concerning the protection of the health and safety of his employees at work, and how they will be achieved and implemented by the Contractor;
- b) The notification made to the Provincial Director of Labour, and if relevant, the notification of the person who supplies or contracts or agrees to supply electricity to the electrical installation;

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



- c) The letters of appointment, as relevant, of the construction supervisor for the site in respect of construction works covered by the Construction Regulations and the registered person responsible for the electrical installation covered by the Electrical Installations Regulations;
- d) A copy of the certificate of registration of the registered person responsible for the electrical installation covered by the Electrical Installations Regulations;
- e) The approval of the design of the part of an electrical installation which has a voltage in excess of 1 kV by a person deemed competent in terms of the Electrical Installations Regulations;
- f) The preliminary hazard identification undertaken by the competent person;
- g) Proof of registration of the electrical contractor who undertakes the electrical installation in terms of the Electrical Installations Regulations;
- h) The organogram which outlines the roles and responsibilities of the construction supervisor's assistants and safety officers; and
- i) The contractor's health and safety plan;
- j) The emergency procedure;
- k) The procedure for the replacement of lost, stolen, worn or damaged personal protective clothing; and
- l) Proof that the contractor is registered and in good standing with the compensation fund or with a licensed compensation insurer;

Any revisions to the organogram which outlines the roles and responsibilities of the construction supervisor's assistants and safety officers;

- a) Each and every subcontract agreement;
- b) Proof that every subcontractor is registered and in good standing with compensation fund or with a licensed compensation insurer;
- c) Proof of all subcontractor's induction training whenever it is conducted;
- d) Copies of the minutes of the subcontractors health and safety meetings;
- e) Copies each of the Contractor's subcontractors' health and safety policy, signed by the Chief Executive Officer, which outlines the Contractor's objectives and how they will be achieved and implemented by the Contractor;
- f) The health and safety plans of all the Contractor's subcontractors who are required to provide such plans;
- g) A comprehensive and updated list of all subcontractors employed on site by the contractor, indicating the type of work being performed by such subcontractors;
- h) The outcomes of the monthly audits for compliance with the approved health and safety plan of each and every subcontractor working on the site;
- i) Any report made to an inspector by the health and safety committee;
- j) The minutes of all health and safety meetings and every recommendation made to the Contractor by the health and safety committee;

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### 13.3 Identification Of Hazards And Development Of Risk Assessments, Standard Working Procedures (SWP) And Method Statements

The Principal Contractor is required to develop Risk Assessments, Standard Working Procedures (SWP) and Method Statements for each activity executed in the contract or project. The identification of hazards is over and above the hazards identification programme and those hazards identified during the drafting of the Health and Safety Plan. The Contractor shall before the commencement of any work on the site and during construction work, cause a risk assessment to be performed by a competent person appointed in writing.

Such an assessment shall as a minimum:

- i. Identify the risks and hazards to which persons may be exposed to;
- ii. Analyse and evaluate the identified risks and hazards;
- iii. Document a plan of safe work procedures, including the use of any personal protective equipment or clothing and the undertaking of periodic toolbox talks or inductions before undertaking hazardous work, to mitigate, reduce or control the risks and hazards that have been identified;
- iv. Provide a monitoring plan

**Note: A risk assessment is a crucial step in protecting workers as well as complying with the law. It helps to focus on the risks that really matter in a particular workplace – the ones with the potential to cause harm. Workers and others have a right to be protected from harm caused by a failure to take reasonable control measures. The following four steps are recommended:**

- a) **Identify the Hazards:** By looking at what could reasonably be expected to cause harm, ask employees or their representatives what they think, obtain advice from trade associations or publications on health and safety, check manufacturer's instructions or data sheets for chemicals and equipment as they can be very helpful in spelling out the hazards and putting them in their true perspective, review accident and ill health records, think about long term hazards to health (e.g. high levels of noise or exposure to harmful substances) as well as safety hazards etc.
- b) **Identify who May be Harmed and how** by identifying how groups of people might be harmed i.e. what type of injury or ill health might occur?
- c) **Evaluate the Risks and Decide on Precautions** by doing everything reasonably practicable to protect people from harm i.e. by looking at how things are done, what controls are in place and how the work is organised and comparing this against good practice to see if more can be done to bring practices up to standard. Consider if the hazard can be got rid of all together, and if not, how can the risk be controlled so that harm is unlikely e.g. try a less risky option (e.g. switch to using a less hazardous chemical); prevent access to the hazard (e.g. by guarding); organize work to reduce exposure to the hazard (e.g. put barriers between pedestrians and traffic); issue personal protective equipment (e.g. clothing, footwear, goggles etc.); and provide welfare facilities (e.g. first aid and washing facilities for removal of contamination)
- d) **Record the Findings** by writing down the findings of the risk assessment

The Contractor shall ensure that as far as is reasonably practicable, ergonomic related hazards are analysed, evaluated and addressed in the risk assessment.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### 13.4 Arrangements For Monitoring And Review

Monthly Audit by Employer and/or its Agent on its behalf. The Employer and/or its Agent on its behalf will be conducting Periodic Audits at times agreed with the Principal Contractor Audit to comply with Construction Regulation 5(1)(o) to ensure that the principal Contractor has implemented, is adhering to and is maintaining the agreed and approved OH&S Plan.

#### **Other audits and inspections by Employer and/or its agent on its behalf**

The Employer and/or its Agent on its behalf reserves the right to conduct any other ad hoc audits and inspections as it and/or its Agent on its behalf deem necessary.

A representative of the Principal Contractor and the relevant Health and Safety Representative(s) (SHE-Reps) must accompany the Employer and/or its Agent on its behalf on all Audits and Inspections and may conduct their own audit/inspection at the same time. Each party will, however, take responsibility for the results of his/her own audit/inspection results. The Employer and/or its Agent on its behalf may require to be handed a copy of the minutes of the previous Health and Safety Committee meeting reflecting possible recommendations made by that committee to the Employer for reference purposes.

The findings of all audit reports made regarding the implementation of the Contractor's or subcontractor's health and safety plan;

The inputs of the health and safety officer, if any, into the health and safety plan;

Details of induction training conducted whenever it is conducted including the list of attendees;

### 13.5 Reports

The Principal Contractor shall report all incidents where an employee is injured on duty to the extent that he/she:

- Dies
- becomes unconscious
- loses a limb or part of a limb
- is injured or becomes ill to such a degree that he/she is likely either to die or to suffer a permanent physical defect or likely to be unable for a period of at least 14 days either to work or continue with the activity for which he/she was usually employed

OR where:

- a major incident occurred
- the health or safety of any person was endangered
- where a dangerous substance was spilled
- the uncontrolled release of any substance under pressure took place
- machinery or any part of machinery fractured or failed resulting in flying, falling or uncontrolled moving objects
- machinery ran out of control,

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

to the Provincial Director of the Department of Labour within seven days and at the same time to the Employer and/or its Agent on its behalf.

Refer in this regard to Section 24 of the Act & General Administrative Regulation 8.

The Principal Contractor is required to provide the Employer and/or its Agent on its behalf with copies of all statutory reports required in terms of the Act and the Regulations.

The Principal Contractor is required to provide the Employer and/or its Agent on its behalf with a monthly "SHE Risk Management Report".

The Principal Contractor is required to provide a.s.a.p. the Employer and/or its Agent on its behalf with copies of all internal and external accident/incident investigation reports including the reports contemplated in 12.7, 12.8.2, 15, 16, 17, 21 and 22 below. As soon as the occurrence of any accident/incident of whatever nature comes to the notice of the Principal Contractor, it shall be reported immediately.

### 13.6 Review

The Principal Contractor is to review the Hazard Identification, Risk Assessments and Standard Work Processes at each Production Planning and Progress Report meeting as the construction work develops and progresses and each time changes are made to the designs, plans and construction methods and processes.

The Principal Contractor must provide the Employer and/or its Agent on its behalf, other Contractors and all other concerned parties with copies of any changes, alterations or amendments as contemplated in the above paragraph.

### 13.7 Site Rules and Other Restrictions

#### Site OH&S Rules

The Principal Contractor must develop a set of site-specific OH&S rules that will be applied to regulate the Health and Safety Plan and associated aspects of the construction.

When required for a site by law, visitors and non-employees upon entering the site shall be issued with the proper Personal Protective Equipment (PPE) as and when necessary.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### 13.8 Security Arrangements

The Principal Contractor must establish site access rules and implement and maintain these throughout the construction period. Access control must include the rule that non-employees shall at all times be provided with full-time supervision while on site.

The Principal Contractor must develop a set of Security rules and procedures and maintain these throughout the construction period.

If not already tasked to the H&S Officer appointed in terms of Construction Regulation 8(8), the Principal Contractor must appoint a competent Emergency Controller who must develop contingency plans for any emergency that may arise on-site as indicated by the risk assessments. These must include a monthly practice/testing programme for the plans e.g. January: trench collapse, February: flooding etc. and practiced/tested with all persons on-site at the time, participating.

### 13.8 Training

The contents and syllabi of all training required by the Act and Regulations including any other related or relevant training as required must be included in the Principal Contractor's Health and Safety Plan and Health and Safety File.

### 13.9 General Induction Training

All employees of the Principal and other Contractors must be in possession of proof of General Induction training

### 13.10 Site Specific Induction Training

All employees of the Principal and other Contractors must be in possession of Site Specific Occupational Health and Safety Induction or other qualifying training

### 13.11 Other Training

All operators, drivers and users of construction vehicles, mobile plant and other equipment must be in possession of valid proof of training. All employees in jobs requiring training in terms of the Act and Regulations must be in possession of valid proof of training as follows:

Occupational Health and Safety Training Requirements: (as required by the Construction Regulations and as indicated by the Health and Safety Specification Document & the Risk Assessment/s and recommendations by the Health and Safety Committee):

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|------------|-----------|-----------|----------|-----------|-----------|
|            |           |           |          |           |           |
| Contractor | Witness 1 | Witness 2 | Employer | Witness 1 | Witness 2 |

- General Induction (Section 8 of the Act)
- Site/Job Specific Induction (also visitors) (Sections 8 & 9 of the Act)
- Site/Project Manager
- Construction Supervisor
- OH&S Representatives (Section 18 (3) of the Act)
- Training of the Appointees indicated in 12.6.1 & 12.6.2 above
- Operation of Cranes (Driven Machinery Regulations 18 (11)
- Operators & Drivers of Construction Vehicles & Mobile Plant (Construction Regulation 23)
- Basic Fire Prevention & Protection (Environmental Regulations 9 and Construction Regulation 29)
- As a minimum basic First Aid to be upgraded when necessary (General Safety Regulations 3)
- Storekeeping Methods & Safe Stacking (Construction Regulation 28)
- Emergency, Security and Fire Co-ordinator

The health and safety file shall be made available for inspection by any inspector, subcontractor, the Project Manager, **the Employer or his representative Assistant Manager SHEQ/SHEQ Officer** or employee of the contractor upon the request of such persons. The Contractor shall hand over the health and safety file to the Employer or his representative Assistant Manager SHEQ/ SHEQ Officer upon completion of the contract and if relevant, a certificate of compliance accompanied by a test report for the electrical installation in accordance with the provisions of the Electrical Installations Regulations.

### 13.12 Health and Safety Committee

The Contractor shall convene health and safety meetings whenever more than two (2) health and safety representatives have been appointed for the site. These meetings shall be attended by all health and safety representatives and persons nominated by the Contractor. Such meetings shall be convened at least once every month to:

- a) Make recommendations to the Contractor regarding any matter affecting the health or safety of persons on the site; and
- b) Discuss any incident on the site in which or in consequence of which any person was injured, became ill or died.

The Contractor shall consult with the health and safety committee on the development, monitoring and review of the risk assessment. The Contractor shall ensure that minutes of the health and safety committee are kept.

### 13.13 Inspectors, Formal Enquiries and Incidents

The Contractor shall inform the relevant safety representative:

- a) Beforehand of inspections, investigations or formal inquiries of which he/she has been notified by an inspector; and
- b) As soon as reasonably practicable of the occurrence of an incident on the site.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

The Contractor shall record all incidents and notify **the Employer or his representative Assistant Manager SHEQ/ SHEQ Officer** of any incident, except in the case of a traffic accident on a public road, as soon as possible after it has occurred and report such incidents to an inspector. The Contractor shall investigate all incidents and issue **the Employer or his representative Assistant Manager SHEQ/ SHEQ Officer** with copies of such investigations.

### 13.14 Health and Safety Representatives

The Contractor shall appoint in writing one health and safety representative for every 50 employees working on the site, whenever there are more than 20 employees on the site, to:

- Review the effectiveness of health and safety measures;
- Identify potential hazards and potential major incidents;
- In collaboration with the Employer or his representative, examine the causes of incidents;
- Investigate complaints by any employee of the Contractor relating to that employee's health and safety on the site;
- Make recommendations to the Contractor on matters arising from a), b), c) or d) on general matters affecting the health or safety of employees at the workplace;
- Inspect the site with a view to, the health and safety of employees, at regular intervals;
- Participate in consultations with inspectors at the workplace and accompany inspectors on inspections at the workplace; and
- Participate in any internal health and safety audit

The Contractor shall provide the health and safety representative with the necessary assistance, facilities and training to carry out the functions.

### 13.15 Construction Supervisor

The Contractor shall, prior to commencing the work, appoint a full-time competent employee in writing as the Construction Supervisor for the site, with the duty of supervising the performance of the work falling within the scope of the contract and may appoint one or more competent employees to assist the appointed construction supervisor.

The Contractor may, having considered the size of the project, the degree of dangers likely to be encountered or the accumulation of hazards or risks on the site appoint a full time or part time construction safety officer in writing, who has in the Contractor's opinion the necessary competencies and resources, to assist the Contractor in the control of all safety related aspects on the site.

### 13.16 Occupational Health and Safety Staff

The Contractor shall appoint in writing a full-time Occupational Health and Safety Manager for the project. The Occupational Health and Safety Manager shall have the necessary competence and resources to perform his duties diligently and shall be professionally registered with the SACPCMP as a Pr CHSM. The contractor shall furthermore ensure that one Occupational Health and Safety Officer is employed for every 100 employees, and shall be equipped with the following:

- Computer
- Camera

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



- Access to telephone
- Printing/ scanning/ copying facilities

The Contractor shall compile and maintain an organogram which outlines the roles and responsibilities of the construction supervisor's assistants and safety officers.

**The appointed safety manager/officer must comply with the following competencies;**

- **NADSAM / SAMTRAC / NEBOSH / Equivalent**
- **Registered as a Construction health and safety manager/officer at SACPCMP.**
- **Hazard Identification and risk assessment (HIRA)**
- **Legal Liability**
- **Excavation inspection course (*Safety officers will not be allowed to be appointed as excavation supervisors/inspectors. The course will assist them to identify hazards better regarding excavation works.*)**
- **Confined space training**

**No health and safety officer or health and safety manager will be allowed on site if not registered with the SACPCMP. Conformation letters shall not be accepted.**

### 13.17 The Employer or his representative Health and Safety Manager/Officer

the Employer or his representative Health and Safety Manager/Officer shall:

- Audit the Contractor's compliance with the requirements of this specification prior to the commencement of any physical construction activities on the site;
- Accept or reject all safety plans, giving reasons for rejecting such plans;
- Monitor the effective implementation of all safety plans;
- Conduct periodic and random audits on the health and safety file to establish compliance with the requirements of this specification;
- Visit the site at regular intervals to conduct site inspections, and based upon such visits issue, wherever necessary, Improvement Notices, Contravention Notices and Prohibition Notices to the Contractor or any of the Contractor's subcontractors with a copy to the Project Manager and, where relevant, to the Contractor.

The Contractor shall invite **the Employer or his representative Health and Safety Manager/Officer** to audit compliance with the requirements of this specification before commencing with any physical construction activity on the site.

### **Documents required after construction activities have commenced**

The letters of appointments, if relevant, of

- Persons who are required to assist the construction supervisor;
- Safety Officers
- Health and Safety Representatives;
- Replacement of construction supervisor; and
- Assistants of construction supervisor

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



The Contractor shall with respect to the site and construction works that are contemplated:

- i. Cause a preliminary hazard identification to be performed by a competent person before commencing any physical construction activity;
- ii. Evaluate the risks associated with such work constituting a hazard to the health and safety of such employees and steps that need to be taken to comply with the Act; and
- iii. As far as is reasonably practicable, prevent the exposure of such employees to hazards concerned or; where prevention is not reasonably practicable, minimize such exposures;

**Note:** the information provided by the designer shall outline known or anticipated dangers or hazards relating to the works and make available all information required for the safe execution of the work. It shall provide as relevant, geotechnical information (or refer to reports provided in the site information), the loading of the structure is designed to withstand, and the methods and sequence of construction.

The Contractor shall carry out regular inspections and audits to ensure that the works are being performed in accordance with the requirements of this specification.

### 13.18 Health and Safety Plans

The Contractor shall prior to commencing the works to which specification applies, submit to **the Employer or his representative Assistant Manager SHEQ/ SHEQ Officer** for approval a suitable and sufficiently documented health and safety plan, based on this specification and the risk assessment that is conducted. The health and safety plan shall as a minimum provide:

- The information contained in Table 1 with respect to each of the hazards associated with work falling within the scope of the contract.

**Table 1: Example of the Format of a Health and Safety Plan**

| What are the hazards relating to work tasks? | Who might be harmed and how? | What are the safe work procedures for the site? | What further action is necessary (monitoring and review)? | Action by Whom | Action by When |
|----------------------------------------------|------------------------------|-------------------------------------------------|-----------------------------------------------------------|----------------|----------------|
|                                              |                              |                                                 |                                                           |                |                |
|                                              |                              |                                                 |                                                           |                |                |
|                                              |                              |                                                 |                                                           |                |                |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

An outline of the manner in which the Contractor intends to comply with the requirements of this specification:

- a. The Contractor shall discuss the submitted health and safety with **the Employer or his representative Assistant Manager SHEQ/ SHEQ Officer**, modify such plan in the light of the discussions and resubmit the modified plan for approval.
- b. The Contractor shall apply the approved health and safety plan from the date of its commencement and for the duration of the works to which this specification applies.
- c. The Contractor shall conduct periodic audits for compliance with the approved health and safety plan at intervals agreed upon with **the Employer or his representative Assistant Manager SHEQ/ SHEQ Officer**, but at least once every month.
- d. The Contractor shall update the health and safety plan whenever changes to the works are brought about.

#### **Responsibilities towards employees and visitors**

The Contractor shall as far as is reasonably practicable, cause every employee to be made conversant with the hazards to his health and safety attached to any work which he has to perform, any article or substance which he/she has to produce, process, use, handle, store or transport and any plant or machinery which is required or permitted to use, as well as with the precautionary measures which should be taken and observed with respect to those hazards or safe work procedures.

The Contractor shall ensure that all employees under his or her control are:

- Informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment; and
- Issued with proof of health and safety induction training issued by a competent and carry proof of such induction when working on site.

The Contractor shall cause a record of training to be kept which indicates the names, identity numbers and job descriptions of all those who attended such training.

The Contractor shall not allow or permit any employee to enter the site, unless such person has undergone health and safety induction training pertaining to the hazards prevalent on the site at the time of entry.

The Contractor shall ensure that each visitor to a construction site, save where such visitor only visits the site office and is not in direct contact with the construction work activities. Undergoes health and safety instruction pertaining to the hazards prevalent on the site; and Is provided with necessary personal protective equipment.

The Contractor shall provide suitable on-site signage to alert workers and visitors to health and safety requirements. Such signage shall include but not be limited to:

- Unauthorized entrance prohibited;
- Signage to indicate what personal protective equipment is to be worn; and
- Activity related signs.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

The Contractor shall not permit any person who is or who appears to be under the influence of intoxicating liquor or drugs, to enter or remain at workplace.

### **Subcontractors**

The Contractor may only subcontract work in terms of a written subcontract and shall only appoint a subcontractor should he/she be reasonably satisfied that such a subcontractor has the necessary competencies and resources to safely perform the work falling within the scope of the contract.

Such a subcontractor shall require that the subcontractor to:

- Co-operate with the Contractor as far as is necessary to enable both the Contractor and subcontractor to comply with the provisions of the Act; and
- As far as is reasonably practicable, promptly provide the Contractor with any information which might affect the health and safety of any person at work or which might justify a review of the health and safety plan.

The Contractor shall provide any subcontractor who is submitting a tender or appointed to perform a subcontract falling within the scope of the contract, with the relevant sections of this specification and any work-specific information which might be pertinent to the subcontract.

### **The Contractor shall take reasonable steps as are necessary to ensure:**

- Co-operation between all subcontractors to enable each of those subcontractors to comply with the requirements of the Act and associated regulations; and
- That each subcontractor's health and safety plan is implemented.
- The Contractor shall conduct periodic audits for compliance with the approved health and safety plan of each subcontractor working on the site at intervals agreed upon with subcontractors, but at least once per month.
- The Contractor shall stop any subcontractor from executing construction work which is not in accordance with the Contractor's or subcontractor's health and safety plan for the site or which poses a threat to the health and safety of person.
- The Contractor shall ensure that where changes to the works occur, sufficient health and safety information and appropriate resources are made available to the subcontractor to execute the work safely.

### **The Contractor shall ensure that:**

- Every subcontractor is registered and in good with the compensation fund or with a licensed compensation insurer prior to work commencing on site;
- Potential subcontractors submitting tenders have made provision for the cost of health and safety measures during the construction process; and
- Every subcontractor has in place a documented health and safety plan prior to commencing any work on site which falls within the scope of the contract.
- The Contractor shall receive, discuss and approve health and safety plans submitted by the subcontractor.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- The Contractor shall ensure that all subcontractors are informed regarding any hazard as stipulated in the risk assessment before any work commences, and thereafter at such times as may be determined in the risk assessment.
- The Contractor shall reasonably satisfy him/herself that all employees of subcontractors are informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment.
- The Contractor shall satisfy himself that all subcontractor employees deployed in the site are:
  - Informed, instructed and trained by a competent person regarding any hazard and the related work procedures before any work commences, and thereafter at such times as may be determined in the risk assessment; and
  - Issued with proof of health and safety induction training issued by a competent person and carry proof of such induction when working on site.

### **First Aid, Emergency Equipment and Procedure**

The Contractor shall where more than five employees are employed at a workplace provide a first aid box or boxes at or near the workplace which shall be available and accessible for the treatment of injured persons at that workplace. Such first aid boxes shall contain suitable first aid equipment.

The Contractor shall ensure that where are more than 10 employees employed on the site that for every group of up to 50 employees at that workplace, at least one person is readily available during normal working hours, who is in possession of a valid certificate of competency in first aid.

### **Facilities for Workers**

The Contractor shall provide and keep clean and fit for use at or within reasonable access on the site:

- a) At least one shower facility for every 15 workers;
- b) At least one sanitary facility for every 30 workers;
- c) Changing facilities for each sex; and
- d) Sheltered eating areas.

A Contractor shall provide reasonable and suitable living accommodation for the workers at construction sites which are remote from their homes and where adequate transportation between the site and homes, or other suitable living accommodation if not available.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## Annexure 1 SHE FILE CHECKLIST

### CONSTRUCTION REGULATIONS CHECKLIST

**Y=Yes      N=No      N/A=Not Applicable**

|                                             |  |                                          |
|---------------------------------------------|--|------------------------------------------|
| The Employer or employer agent SHEQ Officer |  |                                          |
| Name of Company                             |  | Principal Contractor:<br>Sub-Contractor: |
| Manager                                     |  |                                          |
| Cell #                                      |  |                                          |
| Date                                        |  |                                          |

| 1. | Act            | Principal Contractor & Sub-Contractor                  | Y | N | N/A | Remarks |
|----|----------------|--------------------------------------------------------|---|---|-----|---------|
|    |                | Contractor's Organogram                                |   |   |     |         |
|    |                | Contractor's OHS Policy                                |   |   |     |         |
|    | CR 3           | Application for construction work permit               |   |   |     |         |
|    | CR 4           | Notification of construction work to DOL               |   |   |     |         |
|    | CR 5(1)(j)     | Letter of Good Standing (Workman's Compensation)       |   |   |     |         |
|    | *              | Registration Number                                    |   |   |     |         |
|    |                | Health and Safety Specification                        |   |   |     |         |
|    | CR 7           | Health and Safety Plan                                 |   |   |     |         |
|    | Sec37(1) &(2)  | Mandatory Agreement                                    |   |   |     |         |
| 2. | Act            | Appointments (Competent Person)                        | Y | N | N/A | Remarks |
|    | Sec 16(2)      | Designated Employer                                    |   |   |     |         |
|    | Sec 17(1)      | SHE REP (More than 20 employees)                       |   |   |     |         |
|    | Sec 19(1)      | Chairperson (SHE Committee)                            |   |   |     |         |
|    | GAR 8/9 Sec 24 | Competent Person to do Investigations kept on SHE file |   |   |     |         |
|    | GMR 2(1)       | Competent Person (Machinery)                           |   |   |     |         |
|    | CR 8(1)        | Construction Manager                                   |   |   |     |         |
|    | CR 8(7)        | Construction Supervisor                                |   |   |     |         |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| 2. | Act           | Appointments (Competent Person)                               | Y | N | N/A | Remarks |
|----|---------------|---------------------------------------------------------------|---|---|-----|---------|
|    | CR 8(8)       | Assistant Construction Supervisor                             |   |   |     |         |
|    | GSR 3(4)      | First Aider                                                   |   |   |     |         |
|    | CR 8(5)       | Construction Safety Officer                                   |   |   |     |         |
|    | *             | Full Time                                                     |   |   |     |         |
|    | *             | Part Time                                                     |   |   |     |         |
|    | *             | If part time what is the frequency of visits to site          |   |   |     |         |
|    | CR 9(1)       | Competent Person to do Risk Assessment                        |   |   |     |         |
|    | *             | Monitoring Plan                                               |   |   |     |         |
|    | *             | Review Plan                                                   |   |   |     |         |
|    | CR 10(1)(a)   | Competent Person (Fall Protection Plan)                       |   |   |     |         |
|    | CR 10(a)      | Competent Person (Form Work & Support Work)                   |   |   |     |         |
|    | CR 13(1&2)    | Competent Person (Excavation Work)                            |   |   |     |         |
|    | CR 14(1)      | Competent Person (Demolition Work)                            |   |   |     |         |
|    | CR 16(1)      | Competent Person (Scaffolding)                                |   |   |     |         |
|    | CR 19         | Competent Person (Material Hoist Operator)                    |   |   |     |         |
|    | CR 19(8)(a)   | Competent Person (Material Hoist Inspector)                   |   |   |     |         |
|    | CR 18(1)      | Competent Person (Batch Plant Operation)                      |   |   |     |         |
|    | CR 19(2)(b)   | Competent Person (Inspection of explosive powered tools)      |   |   |     |         |
|    | CR 19(2)(g)   | Competent Person (Issuing & collection of cartridges & nails) |   |   |     |         |
|    | CR 22(e)      | Competent Person (Crane and Certified)                        |   |   |     |         |
|    | CR 23(1)(j)   | Construction Vehicle & Mobile Plants Inspector                |   |   |     |         |
|    | CR 24 (c & d) | Temporary Electrical Installation Inspector                   |   |   |     |         |
|    | CR 28(a)      | Competent Person (Stacking and Storage)                       |   |   |     |         |
|    | CR 29 (h)     | Competent Person (Fire Equipment Inspector)                   |   |   |     |         |
| 3. | Act CR 9(1)   | Risk Assessment shall include:                                | Y | N | N/A | Remarks |
|    | CR 9(1)(a)    | Risk Identification                                           |   |   |     |         |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| 3. | Act CR 9(1)    | Risk Assessment shall include:                                                              | Y | N | N/A | Remarks |
|----|----------------|---------------------------------------------------------------------------------------------|---|---|-----|---------|
|    | CR 9(1)(b)     | Risk Analysis                                                                               |   |   |     |         |
|    | CR 9(1)(c)     | Risk Controls                                                                               |   |   |     |         |
|    |                | Matrix and Rating                                                                           |   |   |     |         |
|    | CR 9(1)(d)     | Monitoring Plan                                                                             |   |   |     |         |
|    | CR 9(1)(e)     | Review Plan                                                                                 |   |   |     |         |
|    |                | Training Attendance Register                                                                |   |   |     |         |
| 4. | Act CR 7(7)    | Induction Training                                                                          | Y | N | N/A | Remarks |
|    | CR 7(4)        | Company Training Syllabus                                                                   |   |   |     |         |
|    | CR 7(9)(a)     | Training Attendance Register                                                                |   |   |     |         |
|    | CR 7(9)(b)     | Proof of Induction on Person                                                                |   |   |     |         |
|    | *              | Was induction done by Employer                                                              |   |   |     |         |
|    | *              | Was Induction done Company                                                                  |   |   |     |         |
| 5. | Act CR 8(1)(a) | Fall Protection Plan                                                                        | Y | N | N/A | Remarks |
|    | CR 8(2)(A)     | A Risk Assessment                                                                           |   |   |     |         |
|    |                | Where people are working on elevated position (                                             |   |   |     |         |
|    | CR (2)(c)      | Training Program                                                                            |   |   |     |         |
|    |                | Training Attendance Register                                                                |   |   |     |         |
|    | CR 8(2)(d)     | Planned Inspections (Fall Protection Equipment)                                             |   |   |     |         |
|    | CR 8(3)        | Is the Supervisor in possession of Fall Protection Plan)                                    |   |   |     |         |
| 6. |                | Certificate of Medical Fitness                                                              | Y | N | N/A | Remarks |
|    |                | Evaluation of physical fitness of persons by a registered Medical Practitioner (ORIGINALS)  |   |   |     |         |
| 7. | Various        | Planned Maintenance Inspection. Registered Records (Checklists and Signature)               | Y | N | N/A | Remarks |
|    | Sec 44         | Scaffolds                                                                                   |   |   |     |         |
|    | CR 8(2)(d)     | Inspection, testing and maintenance of fall protection equipment (Checklists and signature) |   |   |     |         |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| 7. | Various              | Planned Maintenance Inspection. Registered Records (Checklists and Signature)                                             | Y | N | N/A | Remarks |
|----|----------------------|---------------------------------------------------------------------------------------------------------------------------|---|---|-----|---------|
|    | DMR 18(5)            | Lifting machines and lifting tackle                                                                                       |   |   |     |         |
|    | GSR 3(3)<br>GSR 3(4) | First aid box<br>Valid Certificate in First Aid                                                                           |   |   |     |         |
|    | EMR 9                | Portable Electric Equipment                                                                                               |   |   |     |         |
|    | EMR 10               | Portable Electric Lights                                                                                                  |   |   |     |         |
|    | GSR 2                | Personal Protective Equipment                                                                                             |   |   |     |         |
|    | *                    | PPE/Risk Analysis                                                                                                         |   |   |     |         |
|    | *                    | Do you have Checklists                                                                                                    |   |   |     |         |
|    | *                    | Are all equipment permanently and clearly numbered                                                                        |   |   |     |         |
| 8. |                      | Records to be kept                                                                                                        | Y | N | N/A | Remarks |
|    | CR 4(1)              | Notification to the Regional Director                                                                                     |   |   |     |         |
|    | CR 5(6)              | Copy of every contractor available on site.                                                                               |   |   |     |         |
|    | CR 5(7)              | Contractor's SHE File including all required documentation available on site                                              |   |   |     |         |
|    | CR 5(8)              | Consolidated SHE File to be handed to The Employer or employers agent after completion of work.                           |   |   |     |         |
|    | CR 5(9)              | Comprehensive and updated list of all contractors, agreements, the work being done included in SHE File available onsite. |   |   |     |         |
|    | CR 7(2)              | Risk Assessments Available onsite                                                                                         |   |   |     |         |
|    |                      | Risk Assessments addressing all the hazards on site, dated and signed by the Risk Assessor.                               |   |   |     |         |
|    |                      | All hazards identified communicated to the employees. (Provide proof).                                                    |   |   |     |         |
|    | CR 7(9)              | Proof of induction training available on site.                                                                            |   |   |     |         |
|    | CR 8(3)              | Construction Supervisor has latest available version of Fall Protection Plan.                                             |   |   |     |         |
|    | CR 9(2)(b)           | Designer's information in writing to contractor of dangers and hazards relating to construction work.                     |   |   |     |         |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| 8. |               | Records to be kept                                                                                 | Y | N | N/A | Remarks |
|----|---------------|----------------------------------------------------------------------------------------------------|---|---|-----|---------|
|    | CR 11(1)(c)   | Drawings pertaining to the design of/support work structure kept on site and available.            |   |   |     |         |
|    | CR 11(3)(h)   | Record of excavation inspections on site and available                                             |   |   |     |         |
|    | CR 12(2)      | Method statement for demolition a structure                                                        |   |   |     |         |
|    | CR 12(11)     | Method statement for demolishing a structure                                                       |   |   |     |         |
|    | CR 15(2)(b)   | Certificates of system design for suspended platform                                               |   |   |     |         |
|    | CR 15(2)(c)   | Operational Compliance Plan                                                                        |   |   |     |         |
|    | CR 15(10)     | Competence of Erectors, Operators and Inspectors                                                   |   |   |     |         |
|    | Permit System | Daily Inspection Record                                                                            |   |   |     |         |
|    | CR 15(11)     | Suspended platform design drawings, inspections and performance test records on site and available |   |   |     |         |
|    | CR 15(12)(c)  | Training Records Signature                                                                         |   |   |     |         |
|    | CR 17(8)(c)   | Materials Hoist Inspection records on site and available                                           |   |   |     |         |
|    | CR 18(9)      | Maintenance and Repair Records on site and available                                               |   |   |     |         |
|    | CR 19(2)(9)   | Register of nails and studs (explosive powered tool)                                               |   |   |     |         |
|    | CR 21(1)(j)   | Construction Vehicle and mobile plant inspection register                                          |   |   |     |         |
|    | CR 22(d)      | Temporary Electrical Installation Inspection Register                                              |   |   |     |         |
|    | Permit System | Workers Register Daily                                                                             |   |   |     |         |
|    | HCS.REG S     | Chemical substances and Data Sheets                                                                |   |   |     |         |
|    |               | Toolbox Talks Daily                                                                                |   |   |     |         |
|    | GSR 2         | Issuing of PPE and Facilities (Proof and Signed)                                                   |   |   |     |         |
|    |               | Treatment Register (First Aid Box)                                                                 |   |   |     |         |
|    | GAR 9         | Reportable Incidents                                                                               |   |   |     |         |
|    | File          | Accident and Incident reports (firs aid-medical cases-lost time cases)                             |   |   |     |         |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

|          |
|----------|
| REMARKS: |
|          |
|          |
|          |
|          |
|          |

|                             |  |            |  |
|-----------------------------|--|------------|--|
| Construction Safety Officer |  | Contractor |  |
|-----------------------------|--|------------|--|

|              |  |          |     |    |
|--------------|--|----------|-----|----|
| Manager SHEQ |  | Approved | Yes | No |
|--------------|--|----------|-----|----|

|      |  |
|------|--|
| Date |  |
|------|--|

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## Annexure 2

### APPLICATION FOR A PERMIT TO DO CONSTRUCTION WORK

In terms of Regulation 3(2) of Construction Regulations 2014

This application shall be submitted with the following documents:

1. Health and Safety Specification
2. Health and Safety Plan
3. Baseline Risk Assessment

**1. Name and Postal address and telephone numbers of the Employer:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**2. Details of the Agent:**

- e) Title, Surname and Initials: \_\_\_\_\_  
f) Identity number/Passport Number: \_\_\_\_\_  
g) Registration number with SACPCMP: \_\_\_\_\_  
h) Office Tel. Number and/or Mobile Number: \_\_\_\_\_  
i) Postal Address: \_\_\_\_\_

**3. Name, postal address and telephone numbers of the appointed principal contractor:**

\_\_\_\_\_  
\_\_\_\_\_

**4. Name, postal address and telephone numbers of designers: \_\_\_\_\_**

\_\_\_\_\_

**5. Name, postal address and telephone numbers of the following persons:**

- a. Construction Manager: \_\_\_\_\_  
\_\_\_\_\_  
b. Construction Safety and Health Manager: \_\_\_\_\_  
c. Construction Health and Safety Officer: \_\_\_\_\_

\_\_\_\_\_

Contractor

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Witness 1

\_\_\_\_\_

Witness 2

\_\_\_\_\_

Employer

\_\_\_\_\_

Witness 1

\_\_\_\_\_

Witness 2

## Annexure 2

|                                                                                       |
|---------------------------------------------------------------------------------------|
| <b>6. Exact physical address of the construction and site office:</b>                 |
|                                                                                       |
| <b>7. Nature of construction work:</b>                                                |
|                                                                                       |
| <b>8. Expected commencement date:</b>                                                 |
|                                                                                       |
| <b>9. Expected completion date:</b>                                                   |
|                                                                                       |
| <b>10. Estimated maximum number of persons on the construction site:</b>              |
|                                                                                       |
| <b>11. Planned number of contractors on site accountable to principal contractor:</b> |
|                                                                                       |
| <b>12. Name(s) of contractors appointed:</b>                                          |
|                                                                                       |
| <b>13.</b>                                                                            |
|                                                                                       |
| <b>14.</b>                                                                            |
|                                                                                       |
| <b>15. Date of Application:</b>                                                       |
|                                                                                       |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## Annexure 2

### FOR OFFICE USE ONLY

| Authorization | Labour Centre | Official Approval Stamp |
|---------------|---------------|-------------------------|
|               |               |                         |

**16. Submitted documents prescribed in Construction Regulation 5(4) (Please Tick ✓)**

|            |  |            |  |                  |  |
|------------|--|------------|--|------------------|--|
| CR 5(1)(a) |  | CR 5(1)(b) |  | CR 51);<br>(C-S) |  |
|------------|--|------------|--|------------------|--|

|     |                                                 |          |  |                |  |
|-----|-------------------------------------------------|----------|--|----------------|--|
| 17. | Result of the<br>application (Please<br>Tick ✓) | Approved |  | De<br>I<br>ned |  |
|-----|-------------------------------------------------|----------|--|----------------|--|

**18. Reason for declining application:**

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**19. \_\_\_\_\_**

**Signature of the Supervisor**

**20. \_\_\_\_\_**

**Signature of revoking Officer/Inspector**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### Annexure 3

**Occupational Health and Safety Act' 1993  
(Regulation 4 of the Construction Regulations, 2014)**

**Notification of Construction Work**

**1. (a) Name and postal address of principal contractor:**

\_\_\_\_\_

**(b) Name and Tel. no. of Principal Contractor's contact person:**

\_\_\_\_\_

**2. Principal Contractor's Compensation Registration number:**

\_\_\_\_\_

**3. (a) Name and postal address of Employer:**

\_\_\_\_\_

**(b) Name and Tel no. of Employer's contact person or agent:**

\_\_\_\_\_

**4. (a) Name and postal address designer(s) of the project:**

\_\_\_\_\_

**(b) Name and Tel. no. of designer(s) contact person: \_\_\_\_\_**

**5. Name and telephone number of principal contractor's construction supervisor on site appointed in terms of regulation 8(2):**

\_\_\_\_\_

**6. Name/s of principal contractor's sub-ordinate supervisor(s) on site appointed in terms of 8(2):**

\_\_\_\_\_

\_\_\_\_\_

Contractor

\_\_\_\_\_

Witness 1

\_\_\_\_\_

Witness 2

\_\_\_\_\_

Employer

\_\_\_\_\_

Witness 1

\_\_\_\_\_

Witness 2

### Annexure 3

**7. Nature of construction work:**

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**8. Expected commencement date:** \_\_\_\_\_

**9. Expected completion date:** \_\_\_\_\_

**10. Estimated maximum number of persons on construction site:**

**Total:** \_\_\_\_\_ **Male:** \_\_\_\_\_ **Female:** \_\_\_\_\_

**11. Planned number of contractors on the construction site accountable to principal contractor:** \_\_\_\_\_

**12. Name(s) of contractors already selected:**

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\_\_\_\_\_  
**Principal Contractor**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Employer's Agent (where applicable)**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Employer**

\_\_\_\_\_  
**Date**

- This document shall be forwarded to the office of the Department of Labour PRIOR TO COMMENCEMENT of work on site.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## Annexure 4

### Occupational Health and Safety Act (85/1993) Construction Regulations 2014

#### Medical Certificate of Fitness

Name of Employee: \_\_\_\_\_ ID Number: \_\_\_\_\_  
Co. Number: \_\_\_\_\_

|                                                                                                     | *Possible Exposure<br>e.g. noise, heat, fall, risk, confined space etc. |  |  |  |  |  |  |  | *Job Specific Requirements<br>e.g. operating mobile crane, digging trenches, erecting form work & support work etc. |  |  |  |  |  |  |  | *Protective Equipment<br>E.g. Dust respirator (Light Duty, Welding Gloves etc.) |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|---------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| *Occupation<br><br>E.g. General Worker, Welder, Bricklayer, Steel Fixer, Mobile Crane Operator etc. |                                                                         |  |  |  |  |  |  |  |                                                                                                                     |  |  |  |  |  |  |  |                                                                                 |  |  |  |  |  |  |  |

\*The Employer to complete the information in the space marked with an \* before sending the Employee for a medical examination.

Declaration by the Medical Examiner:

I certify that I have, by examination and testing using the above criteria specified by employer, satisfied myself that the above mentioned employee is fit to perform the duties as described by the employer in the matrix above.

Occupational Medicine Practitioner/Occupational Health Nursing Practitioner (Please Print Name):  
\_\_\_\_\_

Signature: \_\_\_\_\_ Practice Number: \_\_\_\_\_ Date: \_\_\_\_\_

Address:  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Witness 1

\_\_\_\_\_  
Witness 2

\_\_\_\_\_  
Employer

\_\_\_\_\_  
Witness 1

\_\_\_\_\_  
Witness 2



## Annexure 5

### Tender OHS Management System Questionnaire

This questionnaire forms part of the tender evaluation process. The questionnaire is to be completed by the Contractor tendering and submitted with their tender offer. The objective of the questionnaire is to provide an overview of the status of the contractor's OHS management system. Contractors will be required to verify their responses noted in their questionnaire by providing evidence of their ability and capacity in relevant matters.

**Please note that all questions may not be relevant to the contract. The SHEQ Representative shall highlight questions that are mandatory.**

- Be advised that if your tender is successful you will be re required to provide:
- A Risk Assessment for the Project
- A Site Safety Plan
- Budget Breakdown
- Job Safety Assessments of Safe Work Method Statements for individual activities that have a medium to high hazard level.

|                                                                                                                                                  |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Certification: The information provided in this questionnaire is an accurate summary of the company's occupational health and safety management. |                  |
| Company Name:                                                                                                                                    |                  |
| Signed:                                                                                                                                          | Name:            |
| Position:                                                                                                                                        | Date:            |
| Contract Details:                                                                                                                                |                  |
| Contract Name:                                                                                                                                   | Contract Number: |
| Please complete Insurance details in Section 8:                                                                                                  |                  |
| Name and Contact Details of the Employer or his Representative:                                                                                  |                  |

|  |
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Contractor

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Witness 1

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Witness 2

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Employer

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Witness 1

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|  |
|--|

Witness 2

N/A=Not applicable or relevant to this contract

|          | Questionnaire                                                                                                                                                                                                                                                                                         | Yes                              | No                              | N/A                              |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|----------------------------------|
| <b>1</b> | <b>OHS Policy Management</b>                                                                                                                                                                                                                                                                          |                                  |                                 |                                  |
| 1.1      | Is there a written company health and safety policy?<br><b>If yes, provide a copy of the policy</b>                                                                                                                                                                                                   | <input type="text" value="Yes"/> | <input type="text" value="No"/> | <input type="text" value="N/A"/> |
| 1.2      | Does the company have an OHS Management System certified by a recognised independent authority? e.g. ISO<br><b>If yes, provide a copy of contents page(s)</b>                                                                                                                                         | <input type="text" value="Yes"/> | <input type="text" value="No"/> | <input type="text" value="N/A"/> |
| 1.3      | Is there a company OHS Management System manual or plan?<br><b>If yes provide a copy of contents page(s)</b>                                                                                                                                                                                          | <input type="text" value="Yes"/> | <input type="text" value="No"/> | <input type="text" value="N/A"/> |
| 1.4      | Are health and safety responsibilities clearly identified for all levels of staff?<br><b>If yes, provide a sample(s)</b>                                                                                                                                                                              | <input type="text" value="Yes"/> | <input type="text" value="No"/> | <input type="text" value="N/A"/> |
|          | Other Comments:                                                                                                                                                                                                                                                                                       |                                  |                                 |                                  |
| <b>2</b> | <b>Safe Work Practices and Procedures</b>                                                                                                                                                                                                                                                             |                                  |                                 |                                  |
| 2.1      | Has the company prepared Safe Work Method Statements, Safe Operating Procedures or specific safety instructions relevant to the contract?<br>If yes, provide a summary listing procedures or instructions>                                                                                            | <input type="text" value="Yes"/> | <input type="text" value="No"/> | <input type="text" value="N/A"/> |
| 2.2      | If the work requires use of Permits and Isolation Procedures:<br>Is the company familiar with Permits and Isolation Procedures?<br><b>If yes, provide evidence such as training, operating instructions etc.</b>                                                                                      | <input type="text" value="Yes"/> | <input type="text" value="No"/> | <input type="text" value="N/A"/> |
| 2.3      | Is there a documented incident investigation procedure?<br><b>If yes, provide a copy of a standard incident report form.</b>                                                                                                                                                                          | <input type="text" value="Yes"/> | <input type="text" value="No"/> | <input type="text" value="N/A"/> |
| 2.4      | Are there procedures for maintaining, inspecting and assessing the hazards of plant operated/owned by the company?<br><b>If yes, provide details and samples (evidence of completed maintenance logs, pre-start daily safety inspections, job safety assessments, safe working method statements.</b> | <input type="text" value="Yes"/> | <input type="text" value="No"/> | <input type="text" value="N/A"/> |
| 2.5      | Are the procedures for storing and handling hazardous substances?<br><b>If yes, provide details.</b>                                                                                                                                                                                                  | <input type="text" value="Yes"/> | <input type="text" value="No"/> | <input type="text" value="N/A"/> |
| 2.6      | Are there procedures for identifying, assessing and controlling risks associated with manual handling?<br><b>If yes, provide details.</b>                                                                                                                                                             | <input type="text" value="Yes"/> | <input type="text" value="No"/> | <input type="text" value="N/A"/> |
| 2.7      | Are there procedures covering the use of computers and minimising the risk from overuse or related injuries?<br><b>If yes, provide details.</b>                                                                                                                                                       | <input type="text" value="Yes"/> | <input type="text" value="No"/> | <input type="text" value="N/A"/> |
|          | Other Comments:                                                                                                                                                                                                                                                                                       |                                  |                                 |                                  |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

|          |                                                                                                                                                                                                                                                                                                    |                              |                             |                              |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------|------------------------------|
| <b>3</b> | <b>OHS Training</b>                                                                                                                                                                                                                                                                                |                              |                             |                              |
| 3.1      | Describe how employees are inducted in your company.<br><b>Provide copy of induction program.</b>                                                                                                                                                                                                  | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| 3.2      | Describe how health and safety training is conducted in your company.<br><b>Provide copy of training program relevant to the contract.</b>                                                                                                                                                         | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| 3.3      | Is a record maintained of all training and induction programs undertaken for employees in your company?<br><b>If yes, provide examples of safety training records.</b>                                                                                                                             | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| 3.4      | Percent of managers and supervisors trained in OHS in last 3 years.<br>Percent of managers and supervisors trained in preparation of risk assessments.<br>Percent of managers and supervisors trained in preparation of job safety analysis.<br>Percent of workers trained in OHS in last 3 years? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| 3.5      | Do your employees all applicable licenses/certificates and are appropriately experienced for this work?<br><b>If yes, please complete Section 9.</b>                                                                                                                                               | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| <b>4</b> | <b>Health and Safe Workplace Inspections</b>                                                                                                                                                                                                                                                       |                              |                             |                              |
| 4.1      | Are there regular health and safety inspections at worksites undertaken?<br><b>If yes, provide details and their frequency.</b>                                                                                                                                                                    | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| 4.2      | Are the health and safety inspections at worksites documented?<br><b>If yes, provide examples of forms and completed inspection reports.</b>                                                                                                                                                       | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| 4.3      | Is there a procedure by which hazards are reported by employees and followed up?<br><b>If yes, provide copy of procedure or similar evidence.</b>                                                                                                                                                  | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
|          | Other Comments:                                                                                                                                                                                                                                                                                    |                              |                             |                              |
| <b>5</b> | <b>Health and Safety Consultation</b>                                                                                                                                                                                                                                                              |                              |                             |                              |
| 5.1      | Are employees consulted on OHS matters including amenities?<br><b>If yes, provide details and samples (toolbox meetings, team briefings, meeting schedules and consultation procedures.</b>                                                                                                        | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| 5.2      | For larger companies:<br>Is there a workplace health and safety committee?<br><b>If yes, provide a copy of meeting agenda/minutes.</b>                                                                                                                                                             | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

|                               |                                                                                                                                                                                                                                           |                              |                             |                              |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------|------------------------------|
| 5.3                           | For larger companies:<br>Are there elected OHS representatives?<br><b>If yes, how often does refresher training occur?</b>                                                                                                                | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
|                               | Other Comments:                                                                                                                                                                                                                           |                              |                             |                              |
| 6                             | <b>OHS Performance</b>                                                                                                                                                                                                                    |                              |                             |                              |
| 6.1                           | Has the company ever been convicted of any occupational health and safety or environmental offences in the last five years, or have any proceedings underway or pending?<br><b>If yes, provide details.</b>                               | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| 6.2                           | Has the company had any government or environmental inspector notices issued in the last 12 months? E.g. prohibition or prohibition notices?<br><b>If yes, provide details.</b>                                                           | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| 6.3                           | For larger companies:<br>Is there a system for recording and analysing health and safety performance statistics?<br><b>If yes, provide details and samples (e.g. performance reports, performance statistics over the last 12 months)</b> | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
|                               | Other Comments:                                                                                                                                                                                                                           |                              |                             |                              |
| 7                             | <b>References</b>                                                                                                                                                                                                                         |                              |                             |                              |
| <b>Most Recent Contracts:</b> |                                                                                                                                                                                                                                           | <b>Contract 1</b>            | <b>Contract 2</b>           |                              |
| <b>Contract Description</b>   |                                                                                                                                                                                                                                           |                              |                             |                              |
| <b>Employer</b>               |                                                                                                                                                                                                                                           |                              |                             |                              |
| <b>Contact</b>                |                                                                                                                                                                                                                                           |                              |                             |                              |
| <b>Phone Number</b>           |                                                                                                                                                                                                                                           |                              |                             |                              |

|                               |                                                                   |                    |                      |                    |                 |
|-------------------------------|-------------------------------------------------------------------|--------------------|----------------------|--------------------|-----------------|
| 8                             | <b>Insurances: Please provide copy of certificate of Currency</b> |                    |                      |                    |                 |
| <b>Insurance</b>              | <b>Insurer/Not Applicable</b>                                     | <b>Policy Name</b> | <b>Policy Number</b> | <b>Expiry Date</b> | <b>Coverage</b> |
| <b>Workers Compensation</b>   |                                                                   |                    |                      |                    |                 |
| <b>Public Liability</b>       |                                                                   |                    |                      |                    |                 |
| <b>Professional</b>           |                                                                   |                    |                      |                    |                 |
| <b>Professional Indemnity</b> |                                                                   |                    |                      |                    |                 |
| <b>Other</b>                  |                                                                   |                    |                      |                    |                 |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| 9                   | Certificates/Licenses/Industry Training: Please provide copies or samples |             |             |       |
|---------------------|---------------------------------------------------------------------------|-------------|-------------|-------|
| Licence/Certificate | Licensee                                                                  | License no. | Expiry Date | Notes |
|                     |                                                                           |             |             |       |
|                     |                                                                           |             |             |       |
|                     |                                                                           |             |             |       |
|                     |                                                                           |             |             |       |
|                     |                                                                           |             |             |       |
|                     |                                                                           |             |             |       |
|                     |                                                                           |             |             |       |
|                     |                                                                           |             |             |       |

**NB.** After the contractor has met all the requirements of this specification and the relevant legislative requirements a permit to set site shall be issued by the SHEQ Department.

|             |            |       |
|-------------|------------|-------|
| Prepared By | Signature: | Date: |
| Reviewed By | Signature: | Date: |
| Reviewed By | Signature: | Date: |
| Reviewed By | Signature: | Date: |
| Approved By | Signature: | Date: |

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Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



### BASELINE HAZARD IDENTIFICATION AND RISK ASSESSMENT

AREA :

COMPILED BY :

DATE OF ASSESSMENT :

SCOPE OF WORK :

REVIEW DATE : (a) Every 6 months; (b) after reportable incidents; or (c) change in scope of work

| Probability Index | Severity Index (P) | Frequency Index (F) | Risk Value (P x F) | Risk Classification | Control Measures                    | Frequency Index | Severity Index | Risk Value | Risk Classification | Control Measures                    | Frequency Index | Severity Index | Risk Value | Risk Classification | Control Measures                    |
|-------------------|--------------------|---------------------|--------------------|---------------------|-------------------------------------|-----------------|----------------|------------|---------------------|-------------------------------------|-----------------|----------------|------------|---------------------|-------------------------------------|
| 5                 | 5                  | 5                   | 25                 | Very High Risk      | Immediate Action Plan               | 5               | 5              | 25         | Very High Risk      | Immediate Action Plan               | 5               | 5              | 25         | Very High Risk      | Immediate Action Plan               |
| 4                 | 4                  | 4                   | 16                 | High Risk           | Training, SWP, Detailed Action Plan | 4               | 4              | 16         | High Risk           | Training, SWP, Detailed Action Plan | 4               | 4              | 16         | High Risk           | Training, SWP, Detailed Action Plan |
| 3                 | 3                  | 3                   | 9                  | Medium Risk         | Training, SWP, Detailed Action Plan | 3               | 3              | 9          | Medium Risk         | Training, SWP, Detailed Action Plan | 3               | 3              | 9          | Medium Risk         | Training, SWP, Detailed Action Plan |
| 2                 | 2                  | 2                   | 4                  | Low Risk            | Training, SWP, Detailed Action Plan | 2               | 2              | 4          | Low Risk            | Training, SWP, Detailed Action Plan | 2               | 2              | 4          | Low Risk            | Training, SWP, Detailed Action Plan |
| 1                 | 1                  | 1                   | 1                  | Tolerable Risk      | Training, SWP, Detailed Action Plan | 1               | 1              | 1          | Tolerable Risk      | Training, SWP, Detailed Action Plan | 1               | 1              | 1          | Tolerable Risk      | Training, SWP, Detailed Action Plan |
| 0                 | 0                  | 0                   | 0                  | No Risk             | Training, SWP, Detailed Action Plan | 0               | 0              | 0          | No Risk             | Training, SWP, Detailed Action Plan | 0               | 0              | 0          | No Risk             | Training, SWP, Detailed Action Plan |

PROBABILITY + HIGHEST SEVERITY INDEX + FREQUENCY = RISK VALUE  
(P + S + F = RV)

| Probability Index | Severity Index | Frequency Index | Risk Value | Risk Classification | Control Measures                    |
|-------------------|----------------|-----------------|------------|---------------------|-------------------------------------|
| 5                 | 5              | 5               | 25         | Very High Risk      | Immediate Action Plan               |
| 4                 | 4              | 4               | 16         | High Risk           | Training, SWP, Detailed Action Plan |
| 3                 | 3              | 3               | 9          | Medium Risk         | Training, SWP, Detailed Action Plan |
| 2                 | 2              | 2               | 4          | Low Risk            | Training, SWP, Detailed Action Plan |
| 1                 | 1              | 1               | 1          | Tolerable Risk      | Training, SWP, Detailed Action Plan |
| 0                 | 0              | 0               | 0          | No Risk             | Training, SWP, Detailed Action Plan |

| Item | Task/ General Activities/ Equipment | Hazards Identification (Conditions compromising the total effect without mitigating) | Associated Risk Related to Hazards (The total effect without mitigation)                                                         | Legal Reference                                      | Probability Index | Severity Index (P, E, C) | Frequency Index | Risk Score (P x S + F = RV) | Risk Value | Controls to be Implemented to Eliminate/ Reduce/ Control Risks/ Hazards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Mark applicability on site (✓) |
|------|-------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------|--------------------------|-----------------|-----------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| 1.   | Designs                             | Inadequate/unsafe designs                                                            | <ul style="list-style-type: none"> <li>Fatalities</li> <li>Property Damage</li> <li>Reputational Harm</li> </ul>                 | Construction Regulation 5 & 5 OHS Act Section 8 & 37 | 4                 | 5                        | 5               | 5                           | 14         | <ul style="list-style-type: none"> <li>A Design of contract to be awarded to an appointed Designer by the Client- Vaal Central (Bloemfontein).</li> <li>Designers to be either an qualified Architect or a registered and appointed Engineer.</li> <li>Health and Safety Specifications to be provided to the designer.</li> <li>Designer to take Health and Safety into consideration when designing.</li> </ul>                                                                                                                                                                                                                  | ✓                              |
| 2.   | Procurement                         | Inadequate provision made for Health and Safety                                      | <ul style="list-style-type: none"> <li>Fatality</li> <li>Injuries</li> <li>Property Damage</li> <li>Reputational Harm</li> </ul> | Construction Regulation 5 OHS Act sec 16             | 4                 | 5                        | 5               | 5                           | 14         | <ul style="list-style-type: none"> <li>Contractor to be evaluated prior to awarding the tender. Contractor to be appointed in terms of CR 5(1)(c) of Construction Regulations 2014 and in terms of Section 37(2) of the OHS Act 85 of 1993.</li> <li>Provision has to be made for Health and Safety in the tender documents.</li> <li>When a prospective contractor tenders for the project, his tender submission is to be evaluated to ensure that he has made provision for adequate Health and Safety resources.</li> <li>The project specification is to be taken into account when preparing a tender submission.</li> </ul> | ✓                              |
|      |                                     | Incompetent employees appointed in statutory positions                               | <ul style="list-style-type: none"> <li>Fatality</li> <li>Injuries</li> <li>Property Damage</li> <li>Reputational Harm</li> </ul> | Construction Regulation 5 OHS Act sec 16             | 4                 | 5                        | 5               | 5                           | 14         | <ul style="list-style-type: none"> <li>All prospective employees that will be appointed in statutory positions must be evaluated by the prospective contractor as part of their selection process.</li> <li>The CV's and qualifications of these employees are to be submitted as part of the OHS File to the Clients Representative to evaluate and approve.</li> </ul>                                                                                                                                                                                                                                                           | ✓                              |
|      |                                     | Inadequate/ Unsafe plant, materials and equipment procured                           | Delays in the project                                                                                                            |                                                      | 4                 | 5                        | 5               | 5                           | 14         | <ul style="list-style-type: none"> <li>All plant, material and equipment scheduled to be included into the OHS File when submitting to the Agent for review and approval.</li> <li>Maintenance records/ service history of plant to be evaluated.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                       | ✓                              |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

[illegible]

Witness 2



[illegible]

Witness 2



|     |                                                                                |                                                                                                                                                                                |                                                                                                                                                                                                                                                       |                                             |   |   |   |   |   |   |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |
|-----|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---|---|---|---|---|---|----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 15. | Grinding and cutting                                                           | <ul style="list-style-type: none"> <li>Electrical</li> <li>Heat, Flames, Fire</li> <li>Sparks</li> <li>Noise</li> <li>Disintegration of grinding stones</li> </ul>             | <ul style="list-style-type: none"> <li>Electrocution /shock</li> <li>Burns</li> <li>Respiratory illnesses</li> <li>Eye injuries</li> <li>Fire</li> <li>Noise Induced Hearing Loss</li> </ul>                                                          | OHS Act, Act 85 of 1993 & Regulations       | 4 | 2 | 1 | 0 | 1 | 3 | 10 | 10 | <ul style="list-style-type: none"> <li>Design, develop and Implement a Control Plan for Grinding and cutting that will include Silica Dust Control.</li> <li>Design, develop and Implement a Safe Work Procedure.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ✓ |
| 16. | Working in difficult conditions                                                | <ul style="list-style-type: none"> <li>Extreme hot</li> <li>Extreme cold</li> <li>Rainy Conditions</li> <li>Extended hours</li> </ul>                                          | <ul style="list-style-type: none"> <li>Heat stress</li> <li>Cold stress</li> <li>Slippery conditions, trench collapsing &amp; ingress of water inside the trench</li> <li>Fatigue, stress &amp; Anxiety</li> <li>Dehydration and dizziness</li> </ul> | OHS Act, Act 85 of 1993 & Regulations       | 4 | 1 | 1 | 0 | 1 | 3 | 8  | 8  | <ul style="list-style-type: none"> <li>Supply adequate drinking water in the work area.</li> <li>Provide protection from UV rays</li> <li>PPE</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ✓ |
| 17. | Stacking/storage of materials in a densely populated area and storage of tools | <ul style="list-style-type: none"> <li>Public safety</li> <li>Inadequate access and egress</li> </ul>                                                                          | <ul style="list-style-type: none"> <li>Injuries or fatality to employees and/or a member of the public (members)</li> </ul>                                                                                                                           | OHS Act, Act 85 of 1993 & Regulations       | 4 | 5 | 4 | 2 | 4 | 3 | 12 | 12 | <ul style="list-style-type: none"> <li>Provide secure stockpile area for pipes and fittings.</li> <li>Unload and stack pipes strictly in accordance with the manufactures' recommendations.</li> <li>Provide the appropriate fencing and/or barricades as per the site risk assessment.</li> <li>Apply appropriate signage and pedestrian control.</li> <li>Design, develop and Implement a Standard Working Procedure and Safe Work Procedure.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                | ✓ |
| 18. | Working in a confined space                                                    | <ul style="list-style-type: none"> <li>Limited ventilation</li> <li>Restricted movement</li> <li>Toxic atmosphere</li> <li>Excessive Heat</li> </ul>                           | <ul style="list-style-type: none"> <li>Fatality</li> <li>Injuries</li> <li>Suffocation and/or fatality</li> <li>Heat stress</li> </ul>                                                                                                                | OHS Act, Act 85 of 1993 & Regulations       | 4 | 5 | 4 | 0 | 4 | 5 | 13 | 13 | <ul style="list-style-type: none"> <li>A trained person to identify and evaluate all the existing potential hazards</li> <li>Evaluate activities both outside and inside the confined space.</li> <li>Air to be tested from outside before entry.</li> <li>A Working in the Confined Space permit design developed and implemented.</li> <li>Safe Work Procedure for working in a confined space designed, developed and implemented.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                          | ✓ |
| 19. | General activities                                                             | <ul style="list-style-type: none"> <li>Incorrect use of Personal Protective Equipment (PPE).</li> <li>Inadequate training, consultation, planning and improvisation</li> </ul> | <ul style="list-style-type: none"> <li>Personal injuries</li> <li>Occupational diseases</li> </ul>                                                                                                                                                    | OHS Act, Act 85 of 1993 & Regulations       | 3 | 2 | 2 | 0 | 3 | 3 | 8  | 8  | <ul style="list-style-type: none"> <li>All personnel onsite to be appropriately inducted.</li> <li>Competent supervision to be provided on site.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ✓ |
| 20. | Storage and use of flammable liquids                                           | Spillage of flammable liquids                                                                                                                                                  | <ul style="list-style-type: none"> <li>Environmental pollution</li> <li>Fire and explosions</li> <li>Property damage</li> </ul>                                                                                                                       | OHS Act, Act 85 of 1993 & Regulations, NEMA | 4 | 0 | 3 | 2 | 5 | 5 | 12 | 12 | <ul style="list-style-type: none"> <li>The primary safeguard to prevent the release of flammable liquids is provided by the container. It is therefore critical to ensure that it is of appropriate design for the duty. The materials of construction should be compatible with the chemical and physical properties of the flammable liquid to ensure that no interaction occurs which might cause leakage. All the container openings should be equipped with a secure and well-fitting cap or lid to resist the escape of flammable liquid or vapours, including if the container falls or rolls over.</li> <li>Individual containers must be clearly marked to indicate their contents and the degree of flammability.</li> <li>Material Data Safety Sheets (MSDS) to be obtained and filed accordingly and awareness training conducted.</li> </ul> | ✓ |
| 21. | Access to site and trenches                                                    | Delivery and other vehicles<br>Improper storing and stacking of materials<br>Sakes and insect bites                                                                            | <ul style="list-style-type: none"> <li>Personnel/public/ animals being struck by or run by vehicles</li> <li>Injuries and/or fatality to employees</li> <li>Snakes and insects bites</li> </ul>                                                       | OHS Act, Act 85 of 1993 & Regulations       | 3 | 2 | 2 | 0 | 3 | 3 | 8  | 8  | <ul style="list-style-type: none"> <li>Conduct site inspection to ensure access/egress is adequate for the task activities.</li> <li>Keeping safe distance from edge of trench.</li> <li>No load to be placed or moved near the edge of trench where it likely to cause collapse of the trench.</li> <li>All trenches to have safety barricades when left open for a period of time.</li> <li>Provide submersible pump to dewater trenches where ground is water-charged.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                      | ✓ |

Page 11 of 14

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

[illegible]

| No. | Name of Risk Assessors and Risk Assessment Team | Signatures | Date of Risk Assessment Approval | Comments by Risk Assessor and Risk Assessment Team |
|-----|-------------------------------------------------|------------|----------------------------------|----------------------------------------------------|
| 1.  | Labius Mmusi                                    |            | 2024/09/18                       |                                                    |
| 2.  | Samson Madonsela                                |            | 2024/09/18                       |                                                    |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



**CONTRACT NO: VCW380/PWLPLM/24**

**VOLUME 2: FINANCIAL PROPOSAL**

**VAAL CENTRAL WATER**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR  
(04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-  
PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA**

**PROCUREMENT DOCUMENT**

**SEPTEMBER 2026**

**TENDER SUBMITTED BY:**

Registered Name of Company.....

Address: .....

Telephone Number: .....

Fax Number: .....

E-mail: .....

**Issued by:**

*Vaal Central Water*  
PO Box 30121  
Pellissier  
9322



**ISSUE DATE:** FRIDAY, 11 SEPTEMBER 2026

**BRIEFING SESSION:** TUESDAY, 22 SEPTEMBER 2026

**CLOSING DATE:** FRIDAY, 09 OCTOBER 2026

# VAAL CENTRAL WATER

## CONTRACT NO.

VCW380/PWLPLM/24

### MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

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Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

VAAL CENTRAL WATER

CONTRACT NO.

VCW380/PWLPLM/24

MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA

**PART C1:**

**AGREEMENTS AND CONTRACT DATA**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

## MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

### AGREEMENTS AND CONTRACT DATA

#### INDEX

| SECTION      | DESCRIPTION                        | PAGE NO |
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Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

VAAL CENTRAL WATER

CONTRACT NO.

VCW380/PWLPLM/24

MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA

## SECTION C1.1

### FORM OF OFFER AND ACCEPTANCE

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## FORM OF OFFER AND ACCEPTANCE

### OFFER

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

**CONTRACT NO. VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA**

The Bidder, identified in the Offer signature block below, has examined the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Bidder, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance, the Bidder offers to perform all of the obligations and liabilities of the Contractor under the Contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE-ADDED TAX IS

.....  
 .....

.....(in words) R.....(in figures)

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document to the Bidder before the end of the period of validity stated in the Tender Data, whereupon the Bidder becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

**Signatures** .....  
**Name(s)** .....  
**Capacity** .....  
**for the Bidder** .....  
 (Name and address of organization)

**Name & signature of witness:** .....

**Date:** .....

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



## ACCEPTANCE

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the Bidder's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the, Conditions of Contract identified in the Contract Data. Acceptance of the Bidder's Offer shall form an agreement, between the Employer and the Bidder upon the terms and conditions contained in this Agreement and in the Contract that is the subject of this Agreement.

The terms of the contract, are contained in

|         |                                                               |
|---------|---------------------------------------------------------------|
| Part T1 | Tendering Procedures                                          |
| Part T2 | Returnable Documents                                          |
| Part C1 | Agreements and Contract Data, (which includes this Agreement) |
| Part C2 | Pricing Data                                                  |
| Part C3 | Scope of Work                                                 |
| Part C4 | Drawings                                                      |

and documents or parts thereof, which may be incorporated by reference into Parts C1 to C4 above.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules as well as any changes to the terms of the Offer agreed by the Bidder and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this Schedule, which must be duly signed by the authorised representative(s) of both parties.

The Bidder shall within two weeks after receiving a completed copy of this Agreement, including the Schedule of Deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data at, or just after, the date of this Agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this Agreement.

Notwithstanding anything contained herein, this Agreement comes into effect on the date when the Bidder receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the Bidder (now Contractor) within five days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this Agreement shall constitute a binding contract between the parties.

**Signatures** .....  
**Name(s)** .....  
**Capacity** .....  
**for the Bidder** .....  
 (Name and address of organisation)

**Name & signature of witness** ..... **Date:** .....

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## SCHEDULE OF DEVIATIONS

Notes:

1. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender;
  2. A Bidder's cover letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid become the subject of agreements reached during the process of, offer and acceptance, the outcome of such agreement shall be recorded here;
  3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here;
  4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.
- 4.1 Subject .....  
 Details.....
  - 4.2 Subject.....  
 Details.....
  - 4.3 Subject.....  
 Details.....
  - 4.4 Subject.....  
 Details.....
  - 4.5 Subject.....  
 Details.....
  - 4.6 Subject.....  
 Details.....

By the duly authorised representatives signing this Schedule of Deviations, the Employer and the Bidder agree to and accept the foregoing Schedule of Deviations as the only deviations from the amendments to the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, as well as any confirmation, clarification or change to the terms of the offer agreed by the Bidder and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the Bidder of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this Agreement.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



**FOR THE BIDDER:**

Signatures .....  
Name(s) .....  
Capacity .....  
for the Bidder.....  
(Name and address of organisation)

Name & signature of witness..... Date: .....

**FOR THE EMPLOYER:**

Signatures .....  
Name(s) .....  
Capacity .....  
for the Employer .....  
(Name and address of organisation)

Name & signature of witness..... Date: .....

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**VAAL CENTRAL WATER**

**CONTRACT NO.**

**VCW380/PWLPLM/24**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF  
A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS  
OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

**SECTION C1.2**

**CONTRACT DATA**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## VAAL CENTRAL WATER

### CONTRACT NO.

VCW380/PWLPLM/24

## MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA

### CONTRACT DATA

#### GENERAL CONDITIONS OF THE CONTRACT

The General Conditions of Contract for Construction Works, 4<sup>th</sup> Edition (GCC 2025), published by the South African Institute of Civil Engineers, apply to this Contract.

The General Conditions of Contract are not included in this document. It can be obtained at the Contractor's expense from the Secretary of the South African Institution of Civil Engineering, Private Bag X200, Halfway House 1685, Tel: (011) 805 5947, Fax: (011) 805 5971, e-mail: [civilinfo@saice.org.za](mailto:civilinfo@saice.org.za). Each party to the Contract shall purchase its own copy of the correct print edition of the GCC 2025 that applies to this Contract.

#### CONTRACT DATA

In terms of Clause 1.1.1.8 of the General Conditions of Contract for Construction Works, 4<sup>th</sup> Edition (2025), the following Contract Data apply to this Contract. Each item of data given below is cross-referenced to the clause in the General Conditions of Contract for Construction Works (GCC 2025) to which it mainly applies.

The Contract Data consists of two parts. Part 1 contains information provided by the Employer, while Part 2 contains information to be provided by the Contractor.

#### Part 1: Data Provided by the Employer

The following contract-specific data apply to this contract.

#### REFERENCE CONTRACT SPECIFIC DATA BY THE EMPLOYER

| Clause   | Contract Data                                                                                                                                         |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1.1.5  | Replace the contents of Clause 1.1.1.5 with the following:<br><br>The "Commencement Date" means the date as set per the Form of Offer and Acceptance. |
| 1.1.1.12 | "The special non-working days are all South African statutory holidays and as further defined in Clause 5.8.1."                                       |
| 1.1.1.13 | Add the following to the end of this definition:<br>The <b>Defects Liability Period is 12 months.</b>                                                 |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| Clause   | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1.1.14 | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p>“This Clause shall apply <i>mutatis mutandis</i> to any portion or phase of the Works that may be described in the Scope of Works or the Contract Data, or agreed subsequently between the Contractor and the Employer, and committed to writing.</p> <p>The time for completion of the Works is indicated in Clause 5.5.1. The Due Completion Date shall be <b>27 Months</b>”</p>                                                                                                                         |
| 1.1.1.15 | The name of the Employer is <b>Vaal Central Water</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 1.1.1.16 | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>“The Employer’s Agent means any Director, Professional Engineer or Professional Technologist appointed generally or specifically by the management of the firm Proper Consulting Engineers (Pty) Ltd to fulfil the functions of the Employer’s Agent in terms of the Conditions of Contract.”</i></p>                                                                                                                                                                                                   |
| 1.1.1.27 | The Pricing Strategy is a <b>Re-measurement Contract</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1.2.1    | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p>1.2.1.3 Sent by facsimile, electronic, or any like communication irrespective of it being during office hours or otherwise.</p> <p>1.2.1.4 Posted to the Contractor’s address and delivered by the postal authorities.</p> <p>1.2.1.5 Delivered by a courier service and signed for by the recipient or his representative.</p>                                                                                                                                                                            |
| 1.2.1.2  | <p>The <b>Employer’s</b> address for receipt of communication is:</p> <p>Telephone: 051 403 0800</p> <p>Address: Vaal Central Water Office<br/> 2 Mzuzu Street<br/> Pellissier<br/> Bloemfontein<br/> 9322</p> <p>The <b>Employer’s Agent’s</b> contact details are as follows:</p> <p>Telephone: 011 234 2853</p> <p>e-mail: massegai@tlowanaengineering.co.za</p> <p>Address: Corner Witkoppen &amp; Umhlanga,<br/> Kildrummey Office Park<br/> Longmoume West<br/> Building 10 2<sup>nd</sup> Floor<br/> Paulshof<br/> 2191</p>                    |
| 1.3.6    | <p>ADD THE FOLLOWING NEW CLAUSE:</p> <p><i>“The copyright in all documents, drawings and records (prepared by the Employer’s Agent) related in any manner to the Works shall vest in the Employer or the Employer’s Agent or both (according to the dictates of the Contract that have been entered into by the Employer’s Agent and the Employer for the Works), and the Contractor shall not furnish any information in connection with the Works to any person or organisation without the prior approval of the Employer to this effect.”</i></p> |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| Clause | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.7.1  | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p>“Cession payments will be processed according to the following procedure:</p> <ol style="list-style-type: none"> <li>1. A cession of contract will be initiated by the cedent, who will submit a written request to the accounting officer/authority of the contracting institution for approval to cede all of//their/payments to the cessionary.</li> <li>2. Cession of the contract will only come into effect upon approval by the accounting officer/authority, which may not unreasonably be withheld.</li> <li>3. Before approval of a request for cession of a contract, the accounting officer/authority must undertake the following: <ol style="list-style-type: none"> <li>3.1 Review the reasons for the request for cession.</li> <li>3.2 Ensure that the request for cession is not a result of attempts at fronting, engaging in combative or anti-competitive practices, disguising fraudulent activities (e.g., Non-payment of VAT), etc.</li> <li>3.3 Where possible, ensure that the cessionary is of equal or higher BBBEE status level to the cedent. If not, clear motivation must be provided for approval by the accounting officer/ authority.</li> <li>3.4 Ensure that the cessionary submits the following documentation at the time of application: <ol style="list-style-type: none"> <li>3.4.1 Certified copy of the business registration of the cedent with CIPC</li> <li>3.4.2 Certified copy of the identification document of the owner/manager of the Business entity, i.e., cessionary.</li> <li>3.4.3 Tax Compliance Status PIN of the Cessionary.</li> <li>3.4.4 Any other document related to the contract that the cedent was required to submit.</li> <li>3.4.5 Completion of Standard Bid Documents (SBD).</li> </ol> </li> </ol> </li> <li>4. Conduct a detailed risk analysis to ensure that the cessionary has the capability and ability, including resources, to supply the goods or render the services in accordance with the terms and conditions of the original contract. The accounting officer/authority must also verify the validity of the documents referred to in paragraph 3.4 above.</li> <li>5. Once the request for the cession has been approved, the cedent and cessionary must be informed in writing and requested to enter into a transfer agreement within a timeframe predetermined by the accounting officer/authority and must comply with all formalities set by law. Failure to conclude the transfer agreement within the predetermined time will result in the lapse of the cession approval. The Legal Department of the contracting institution must vet the transfer agreement.”</li> </ol> |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| Clause | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.2.3  | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"The Employer's Agent is required in terms of his appointment with the Employer to obtain the following <b>specific approvals from the Employer</b>:</i></p> <ol style="list-style-type: none"> <li><i>1. Nominating the Engineer's Representative</i></li> <li><i>2. Delegation of Engineer's authority</i></li> <li><i>3. Providing consent for subcontracting part of the contract</i></li> <li><i>4. The issuing of instructions for dealing with fossils</i></li> <li><i>5. The issuing of an instruction to accelerate progress</i></li> <li><i>6. Granting permission to work during non-working times</i></li> <li><i>7. The issuing of further drawings or instructions that have financial and/or time-related implications</i></li> <li><i>8. Suspend the progress of the works</i></li> <li><i>9. The approval of any extension of time for completion</i></li> <li><i>10. The reduction of a penalty for delay</i></li> <li><i>11. The issuing of a variation order</i></li> <li><i>12. Issuing of instructions to carry out work on a day-to-day basis</i></li> <li><i>13. The determination of additional or reduced costs arising from changes in legislation</i></li> <li><i>14. The agreement of the adjustment of the sums for the general item</i></li> <li><i>15. Authorizing the Contractor to repair and make good excepted risks</i></li> <li><i>16. The giving of a ruling on a contractor's claim</i></li> <li><i>17. The agreeing of an extension to the 28-day period</i></li> <li><i>18. The inclusion of credits in the next payment certificate"</i></li> </ol> |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| Clause | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4.1.2  | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>"The Contractor shall provide the following to the Employer's Agent for retention by the Employer or his/her assignee in respect of all works designed by the Contractor:</i></p> <p>4.1.2.1 <i>A Certificate of Stability of the Works signed by a registered Professional Engineer confirming that all such works have been designed in accordance with the appropriate codes of practice.</i></p> <p>4.1.2.2 <i>Proof of registration and adequate and current professional indemnity insurance cover held by the designer(s).</i></p> <p>4.1.2.3 <i>Design calculations should the Employer's Agent request a copy thereof.</i></p> <p>4.1.2.4 <i>Engineering drawings and workshop details (both signed by the relevant professional engineer); in order to allow the Employer's Agent to compare the design with the specified requirements and to record any comments he may have with respect thereto.</i></p> <p>4.1.2.5 <i>'As-Built' drawings in DXF electronic format after completion of the Works.</i></p> <p><i>The Contractor shall be responsible for the design of the Temporary Works."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4.3.1  | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>Compliance with applicable laws.</i></p> <p>"4.3.1.1 <i>The Ministerial Determination, Special Public Works Programmes, issued in terms of the Basic Conditions of Employment Act of 1977 by the Minister of Labour in Government Notice No R63 of 25 January 2002, as appended to these Contract Data as Annexure B, shall apply to works described in the Scope of Work as being labour intensive and which are undertaken by unskilled or semi-skilled workers.</i></p> <p>4.3.1.2 <i>OHS requirements</i></p> <p><i>The Contractor shall comply with the Occupational Health and Safety Specification prepared by the Employer in terms of the Construction Regulations, 2014 promulgated in terms of Section 43 of the Occupational Health and Safety Act (Act No. 85 of 1993).</i></p> <p><i>Without limiting the Contractor's obligations in terms of the Contract, the Contractor shall before commencement of the Works or any part thereof, be in the possession of an approved Health and Safety Plan. The Contractor shall submit an approved Health and Safety Plan to the Employer's Agent within 14 days from the date that the Agreement made in terms of the Form of Offer and Acceptance comes into effect."</i></p> <p>4.3.1.3 <i>Contractor's liability as mandatory</i></p> <p><i>Notwithstanding any actions which the Employer may take, the Contractor accepts sole liability for due compliance with the relevant duties, obligations, prohibitions, arrangements and procedures imposed by the Occupational Health and Safety Act, 1993 (Act 85 of 1993), and all its regulations, including the Construction Regulations, 2014, for which he is liable as mandatory. By entering into this Contract, it shall be deemed that the parties have agreed in writing to the above provisions in terms of Section 37 (2) of the Act.</i></p> |

Contractor

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| Clause | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | <p><b>4.3.1.4 Contractor to notify Employer</b></p> <p><i>The Employer retains an interest in all inquiries conducted under this Contract in terms of Section 31 and/or 32 of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and its Regulations following any incident involving the Contractor and/or Sub-Contractor and/or their employees. The Contractor shall notify the Employer in writing of all investigations, complaints or criminal charges which may arise pursuant to work performed under this Contract in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and Regulations.</i></p> <p><b>4.3.1.5 Contractor's Designer</b></p> <p><i>The Contractor and his/her designer shall accept full responsibility and liability to comply with the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and the Construction Regulations, 2014 for the design of the Temporary Works and those part of the Permanent Works which the Contractor is responsible to design in terms of the Contract."</i></p>                                                                                                                                                                                                                                                                       |
| 4.4.1  | <p><b>4.4.1.1</b> A minimum of 30% of the value of the contract must be subcontracted to:</p> <p>(a) an EME or QSE which is at least 51% owned by black people</p> <p><b>4.4.1.2</b> A list of suppliers registered on the database approved by the National Treasury to provide the required goods or services in respect of the applicable designated groups mentioned in Clause 4.4.1.1 above must be obtained from Vaal Central Water from which suppliers and service providers may be selected.</p> <p><b>4.4.1.3</b> If the Contractor fails to comply with Clause 4.4.1.1 and 4.4.1.2 above, the Contractor shall be liable to the employer a penalty as to be determined by the below equation.</p> $P_{sub} = (V_{sub} - V_{act}) \times 2.5\%$ <p><i>P<sub>sub</sub>: Penalty for under subcontracting</i></p> <p><i>V<sub>sub</sub>: Value of work to be subcontracted according to clause 4.4.1.1</i></p> <p><i>V<sub>act</sub>: Value of work subcontracted at completion</i></p> <p><b>4.4.1.4</b> The Contractual relationship between the Contractor and the Subcontractor selected by the Contractor and in consultation with the Employer in accordance with the requirements of and procedure set out above, shall be the same as if the Contractor had appointed the subcontractor in terms of Clause 4.4.3.</p> |
| 4.4.4  | <p><b>ADD THE FOLLOWING TO THIS CLAUSE:</b></p> <p><i>"The Employer's Agent consent in respect of any particular subcontractor may be withdrawn at any time should reasonable grounds be given therefore in writing to the Contractor by the Employer's Agent, in which event the Contractor shall forthwith terminate the engagement of that subcontractor on the Works.</i></p> <p><i>The withdrawal by the Employer's Agent of his consent in respect of any particular sub-contractor that is engaged in the execution of any portion of the works, including any portions of the Works which are sub-let by the Contractor in accordance with Clause 4.4.4 shall not relieve the Contractor of any of his obligations under the Contract, nor of any of his obligations to sub-let the particular portions of the Works concerned."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

Contractor

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| Clause | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| 4.9.1  | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p>"The Contractor shall deliver to the Employers Agent's, on a monthly basis, a detailed inventory of Construction Equipment kept on Site, full particulars given for each day of the month. Distinction shall be made between Owned Equipment and Hired Equipment, as well as Equipment in working order and Equipment out of order. Such inventory shall be submitted by the seventh day of the month following the month to be reported."</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 4.10   | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p>"4.10.3:</p> <p><i>The Contractor shall use local labour in accordance with the requirements contained within the Scope of Works."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 4.12   | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"Where a form is included in the Contract Data for this purpose, the Bidder shall fill in the name of the person he proposes to entrust with the post of Construction Manager on this Contract in the space provided, therefore. Previous experience of this person on work of a similar nature during the past five (5) years is to be entered on the form."</i></p> <p><i>The Contractor's Construction Manager shall be on-site at all times when work is being performed. The person shall be subject to approval of the Employer's Agent in writing and shall not be replaced or removed from Site without the written approval of the Employer's Agent."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5.1.1  | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p>"The <b>annual builder's break commences</b> on <b>12 December 2026</b> and ends on <b>3 January 2027</b>."</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.3    | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p>"The <b>Works Execution is to be commenced within 21</b> days of the Commencement Date."</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 5.3.1  | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"The Contractor shall commence executing the works within a period of 22 working days from the Works Execution Date, unless otherwise agreed."</i></p> <p><i>The documentation required to be approved before commencement of Works Execution are:</i></p> <ul style="list-style-type: none"> <li>• <i>Health and Safety Plan/Permit (Refer to Clause 4.3)</i></li> <li>• <i>A signed Agreement between the Employer and the Contractor for the Works to be completed by the Contractor in terms of the provisions of Section 37(2) of the Occupational Health and Safety Act (Act No 85 of 1993) and the Construction Regulations promulgated thereunder (Refer to Clause 4.3).</i></li> <li>• <i>Proof of payment to the Employer that the Contractor has paid all contributions required in terms of the Compensation for Occupational Injuries and Diseases Act, No 130 of 1993 (Refer to Clause 4.3).</i></li> <li>• <i>Initial programme (Refer to Clause 5.6)</i></li> <li>• <i>Security (Refer to Clause 6.2)</i></li> <li>• <i>Insurance (Refer to Clause 8.6)</i></li> <li>• <i>A detailed cashflow forecast (Refer to Clause 5.6.2.6)"</i></li> </ul> |

Contractor

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| Clause | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| 5.3.2  | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"The time to submit the documentation required (Refer to Clause 5.3.1) is <b>14 days</b> from the Commencement Date, after which the Employer's Agent has <b>7 days</b> to review said documentation before the commencement of the Works Execution."</i></p>                                                                                                                                                                                                                                                                                                            |
| 5.4.2  | <p>Access to and possession of the Site shall not be exclusive to the Contractor, but shall be as set out in the contract.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 5.5.1  | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"The time for Completion shall be <b>27 months</b> from Works Execution Date, including special non-working days and year-end break/s."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 5.6.1  | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p>The <b>Works detail programme</b> is to be delivered within the tender document.</p> <p><i>"In this regard, the Contractor shall have regard for the phases and sub-phases (if applicable) for the Development, which shall also be the order in which the Permanent Works shall be constructed unless otherwise agreed between the parties and committed to in writing. Where phased construction is applicable, the phases and sub-phases will be described in the Specifications and/or will be indicated on the Phasing Plan which forms part of the Drawings."</i></p> |
| 5.7.1  | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"No such instruction by the Employer's Agent to expedite progress shall be the subject of additional compensation to the Contractor unless the instruction explicitly states that the Contractor is entitled to additional compensation and cites the amount of such compensation or the basis upon which it is to be determined."</i></p>                                                                                                                                                                                                                               |
| 5.8.1  | <p>ADD THE FOLLOWING TO THE CLAUSE:</p> <p><i>"The non-working Days are Sundays.</i></p> <p><i>The special non-working Days are:</i></p> <ul style="list-style-type: none"> <li><i>• Statutory public holidays; and</i></li> <li><i>• All annual year-end shutdown periods as recommended by the South African Federation of Civil Engineering Contractors (SAFCEC), and which commence after the Commencement Date, and which commence before the Due Completion Date."</i></li> </ul>                                                                                                                                |

Contractor

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| Clause   | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.12.2.2 | <p><b>ADD THE FOLLOWING NEW CLAUSE:</b></p> <p><b>Extension of time due to Abnormal Rainfall</b></p> <p>Extension of time for completion of the Contract shall be allowed in the event of abnormal rainfall in accordance with the following formula:</p> $V = (N_w - N_n) + (R_w - R_n)/20$ <p>Where:</p> <p>V = Extension of time in calendar days for the calendar month under consideration</p> <p>N<sub>w</sub> = Actual number of days during the calendar month under consideration on which a rainfall of 10mm and more is recorded</p> <p>R<sub>w</sub> = Actual total rainfall in mm recorded during the calendar month under consideration</p> <p>N<sub>n</sub> = Average number of days, derived from rainfall records, on which a rainfall of 10mm and more was recorded during the relevant calendar month as per the data tabulated hereinafter</p> <p>R<sub>n</sub> = Average total rainfall in mm for the relevant calendar month, derived from rainfall records, as tabulated hereinafter</p> <p>Where the extension of time due to abnormal rainfall has to be calculated for a portion of a calendar month, pro rata values shall be used. Should V be negative for any particular month, and should its absolute value exceed the corresponding value of N<sub>n</sub>, then V shall be taken as being equal to minus N<sub>n</sub>. The total extension of time to be granted shall be the algebraic sum of all the monthly extensions, provided that if this total is negative then the time for completion shall not be reduced due to subnormal rainfall.</p> |

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| Clause    | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
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| 5.12.2.2  | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p>Rainfall records for the construction period shall be taken on-site. The Contractor shall provide and install all necessary equipment to accurately measure rainfall. The Contractor shall also provide, erect, and maintain a security fence plus gate, padlock and keys at each measuring station, all at his own cost.</p> <p>The Employer's Agent or their Representative shall take and record the daily rainfall readings. The Contractor shall be permitted to attend these readings, in the company of the Employer's Agent Representative. Access to the measuring gauge(s) shall always be under the Employer's Agent's or their Representative's control.</p> <p>The rainfall records applicable to this Contract are those recorded at Weather Stations HARRISMITH</p> <p>The following values of <math>N_n</math> and <math>R_n</math> shall apply:</p> <table><tr><th>Month</th><th><math>N_n</math> (Days)</th><th><math>R_n</math> (mm)</th></tr><tr><td>January</td><td>3</td><td>100</td></tr><tr><td>February</td><td>2</td><td>77</td></tr><tr><td>March</td><td>2</td><td>61</td></tr><tr><td>April</td><td>2</td><td>49</td></tr><tr><td>May</td><td>1</td><td>22</td></tr><tr><td>June</td><td>0</td><td>12</td></tr><tr><td>July</td><td>0</td><td>6</td></tr><tr><td>August</td><td>1</td><td>14</td></tr><tr><td>September</td><td>0</td><td>13</td></tr><tr><td>October</td><td>1</td><td>48</td></tr><tr><td>November</td><td>2</td><td>70</td></tr><tr><td>December</td><td>3</td><td>98</td></tr><tr><td>Total</td><td>17</td><td>570</td></tr></table> | Month      | $N_n$ (Days) | $R_n$ (mm) | January | 3 | 100 | February | 2 | 77 | March | 2 | 61 | April | 2 | 49 | May | 1 | 22 | June | 0 | 12 | July | 0 | 6 | August | 1 | 14 | September | 0 | 13 | October | 1 | 48 | November | 2 | 70 | December | 3 | 98 | Total | 17 | 570 |
| Month     | $N_n$ (Days)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | $R_n$ (mm) |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| January   | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 100        |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| February  | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 77         |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| March     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 61         |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| April     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 49         |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| May       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 22         |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| June      | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12         |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| July      | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6          |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| August    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 14         |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| September | 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 13         |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| October   | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 48         |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| November  | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 70         |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| December  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 98         |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| Total     | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 570        |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| 5.13.1    | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i><b>“The penalty for delay shall be calculated at a rate of 0.01% of the total contract value per calendar day, or any portion thereof, beyond the Due Completion Date. Additionally, the contractor shall be liable for all costs incurred by the Employer's Agent and the OHS Agent, inclusive of VAT, as invoiced to the Employer, for maintaining a presence on-site. These costs will apply from the day immediately following the Due Completion Date until the certified date of Practical Completion.”</b></i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |
| 5.13.3    | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>“The imposition of penalties in terms of Clause 5.13.1 shall not relieve the Contractor from his obligation to complete the works nor from any of his obligations and liabilities under the Contract.”</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |              |            |         |   |     |          |   |    |       |   |    |       |   |    |     |   |    |      |   |    |      |   |   |        |   |    |           |   |    |         |   |    |          |   |    |          |   |    |       |    |     |

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| Clause      | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| 5.13.4      | <p>ADD THE FOLLOWING NEW CLAUSE:</p> <p><i>"If the Contractor shall, without the prior written permission of the Engineer, in respect of any portions of the Works which are prescribed in the Scope of Work to be executed using labour intensive construction methods, or for which the maximum size and capacity of mechanical plant and equipment is restricted in terms of the Contract:</i></p> <ul style="list-style-type: none"> <li><i>• fail to execute such portions of the Works, or any parts thereof, utilising labour-intensive construction methods strictly in accordance with the provisions of the Contract; or</i></li> <li><i>• utilise in the execution of such portions of the Works, or any parts thereof, mechanical plant or equipment which is in conflict with the terms of the Contract; or</i></li> <li><i>• utilise in the execution of such portions of the Work, workers drawn from sources other than those allowed in terms of the Contract;</i></li> </ul> <p><i>Then the Contractor shall be liable to the Employer for the percentage stated below of the value of the Works so executed in conflict with the provisions of the relevant Scope of Work, as a penalty for non-compliance.</i></p> <p><i>The penalty for non-compliance is: maximum 15% of the value of Works specified.</i></p> <p><i>The imposition of penalties in terms of this clause shall not relieve the Contractor from his obligation to complete the Works, nor from any of his obligations and liabilities under the Contract."</i></p> |
| 5.16.3      | The latent defect Period is <b>10 years</b> after the issue of the Final Approval Certificate in terms of Clause 15.6.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 6.1.1       | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>"Payment for works identified in the Scope of Work as being labour-intensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any non-payment for such works shall not relieve the Contractor in any way from his obligations either in contract or in delict."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 6.2 and 8.6 | The <b>Performance Guarantee and Insurance</b> are to be delivered within 14 days after the request to do so, and the Form of Acceptance will not be signed before receipt of the Guarantee that is acceptable to the Employer. Failure to submit the guarantee within 14 days will result in cancellation of the appointment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Contractor

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Witness 2

Employer

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| Clause | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| 6.2.1  | <p>REPLACE THE CLAUSE WITH THE FOLLOWING:</p> <p><i>“6.2.1 Delivery of Security</i><br/> <i>Replace the wording “as selected” in Clause 6.2.1 with “as stated”.</i></p> <p><i>The security to be provided by the Contractor shall be:</i><br/> <i>(a) a performance guarantee equal to ten per cent (10%) of the applicable Security Base Amount;</i><br/> <i>and</i><br/> <i>(b) retention money at the percentage stated in the Contract Data, subject to Clauses 6.10.1.3 and 6.10.3.</i></p> <p><i>For the purposes of this Contract:</i></p> <p><i>Minimum Security Base Amount means R5 000 000.</i></p> <p><i>Active Work Assignments Value means the aggregate value, exclusive of VAT unless expressly stated otherwise, of all work assignments, task orders, instructions or similar written authorizations issued under the Contract which have not yet reached Completion, have not been omitted in full, and have not yet been finally accounted for.</i></p> <p><i>Security Base Amount means:</i><br/> <i>(i) on award of the Contract, the Minimum Security Base Amount; and</i><br/> <i>(ii) thereafter, the Active Work Assignments Value rounded up to the next R1 000 000 or portion thereof, provided that it shall never be less than the Minimum Security Base Amount.</i></p> <p><i>The Contractor shall deliver the initial performance guarantee within the period stated in Clause 5.3.2.</i></p> <p><i>Whenever the Active Work Assignments Value exceeds the Security Base Amount then covered by the existing performance guarantee, the Contractor shall, within 7 days after written notice from the Employer or Employer’s Agent, deliver an amended or replacement performance guarantee for the revised Guaranteed Sum.</i></p> <p><i>The performance guarantee shall be issued by an approved insurer or financial institution and shall be jointly and severally bound with the Contractor, in accordance with the provisions of the Form of Guarantee. The wording of the performance guarantee shall be identical to the pro-forma provided under Clause C1.3: Form of Guarantee of the Contract Data.”</i></p> |
| 6.2.2  | <p>Replace the existing clause 6.2.2 in full with:</p> <p><i>“6.2.2 Contractor failing to provide security</i></p> <p><i>If the Contractor fails to provide the initial performance guarantee, or fails to provide any increase, amendment, replacement or renewal of the performance guarantee required in terms of Clause 6.2.1, within the period stated in the Employer’s notice or, where no such period is stated, within 7 days of the requirement arising, the Employer may terminate the Contract in terms of Clause 9.2.”</i></p> <p><i>The same shall apply if the performance guarantee differs from the pro-forma provided under Clause C1.3: Form of Guarantee of the Contract Data.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| Clause    | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| 6.2.3     | <p>Replace the existing clause 6.2.3 in full with:</p> <p><i>“6.2.3 Validity of Performance Guarantee</i></p> <p><i>The Contractor shall ensure that the performance guarantee remains valid and enforceable until the issue of the Certificate of Completion.</i></p> <p><i>Where an amended or replacement guarantee is required in terms of Clause 6.2.1, the amended or replacement guarantee shall be delivered to the Employer before the existing guarantee expires, failing which the existing guarantee shall not be cancelled or allowed to lapse.</i></p> <p><i>No reduction, cancellation, withdrawal or replacement of the performance guarantee shall be effective unless accepted in writing by the Employer.”</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 6.5.1.1.3 | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>“The percentage allowance to cover overhead charges is:</i></p> <ul style="list-style-type: none"> <li>• 50 per cent for labour; and</li> <li>• 10 per cent for materials.”</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 6.8.2     | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><b>A Contract Price Adjustment factor will apply</b> to this Contract.</p> <p>“The following coefficients/ indices/references are applicable, as per SAFCEC published recommendations:</p> <ol style="list-style-type: none"> <li>1) The proportion not subject to adjustment: <math>x = 0.10</math>.</li> <li>2) “L” is the “Labour Index” and shall be the “Consumer Price Index” for the province nearest to the Site as stated in the Contract Data and as published in the Statistical News Release P0141, Table A of Statistics South Africa. The associated coefficient shall be 0.25.</li> <li>3) “P” is the “Contractor’s Equipment Index” and shall be the “Producer Price Index” for “Civil Engineering Plant” as published in the Statistical News Release P0151, Table 4 of Statistics South Africa. The associated coefficient shall be 0.15.</li> <li>4) “M” is the “Materials Index” and shall be the “Consumer Price Index” for “Building and Construction / Civil Engineering”, as published in the Statistical News Release P0151, Table 6 of Statistics South Africa. The associated coefficient shall be 0.55.</li> <li>5) “F” is the “Fuel Index” and shall be the “Producer Price Index” for “Coal and petroleum Products - Diesel, as published in the Statistical News Release P0142.1, Table 1 of Statistics South Africa. The associated coefficient shall be 0.05.</li> <li>6) The province nearest to the site is <b>“Free State”</b>.</li> <li>7) The base month will be the month prior to the month in which the tender closes.”</li> </ol> |
| 6.8.3     | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>“Price Adjustments for variations in the cost of special materials are not allowed. “</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 6.8.4     | <p>In line 10 delete the words “between the Employer and the Contractor”.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

Contractor

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Employer

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| Clause   | Contract Data                                                                                                                                                                                                                                                               |
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| 6.10.1.5 | ADD THE FOLLOWING TO THIS CLAUSE:<br><br><i>"The percentage limit on <b>materials not yet built into the Permanent Works</b> is <b>80%</b>. Proof of ownership is required."</i>                                                                                            |
| 6.10.3   | ADD THE FOLLOWING TO THIS CLAUSE:<br><br><i>"The percentage retention is <b>10%</b>. The limit of retention money is 5% of the Contract Price at the time of the Agreement made in terms of the Form of Offer and Acceptance coming into effect."</i>                       |
| 6.10.4   | ADD THE FOLLOWING TO THIS CLAUSE:<br><br><i>"The <b>first payment</b> certificate will only be processed <b>after the completion of section A: P&amp;G: Item 1 &amp; 2</b> in the Bill of Quantities, to the satisfaction of the Employer and/or the Employer's Agent."</i> |
| 6.11.1.3 | Delete this clause in total.                                                                                                                                                                                                                                                |
| 7.8.1    | The <b>Defects Liability Period</b> is twelve <b>(12)</b> calendar months after the final completion date.                                                                                                                                                                  |

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| 8.1.2   | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>"The Contractor shall comply with The Environmental Management Programme (EMPr) and all conditions of applicable authorisations, licences and permits. All OHS and Environmental non-conformances / non-compliances based on the monthly audit reports shall be corrected within the period stated in the respective audit report and if not corrected the Contractor shall be liable for penalties as described below:</i></p> <ul style="list-style-type: none"> <li><i>• Non-conformances / non-compliances identified for the first time shall be corrected within the period stated in the respective audit report, and evidence provided to the relevant persons that corrective actions were implemented.</i></li> <li><i>• Should the same non-conformances / non-compliances be identified in a following audit (not necessarily consecutive), the Project Manager shall issue a notice of non-conformance / non-compliance to the Contractor, stating the nature and magnitude of the contravention with a copy be provided to the ECO / OHS Agent and it shall be corrected within 48 hours and evidence provided to the relevant persons that corrective actions were implemented.</i></li> <li><i>• Should the same non-conformances / non-compliances be identified in a subsequent audit (not necessarily consecutive) to the one mentioned above, it shall be considered a recurring non-conformance / non-compliance, and shall be corrected within 24 hours, as well as be penalised at R 2000.00 per finding, per day that it remains uncorrected and evidence shall be provided to the relevant persons that corrective actions were implemented as well as when they were implemented.</i></li> <li><i>• In the case of non-compliance giving rise to physical damage or destruction of the environment, the ER shall be entitled to undertake such remedial works as may be required to make good such damage and to recover from the Contractor the full costs incurred in doing so.</i></li> <li><i>• The ER shall at all times have the right to stop work and/or certain activities on site in the case of non-conformances / non-compliances or failure to implement remediation measures.</i></li> <li><i>• The Contractor will incur an immediate penalty of R 50,000.00 for the removal of or damage of any endangered plants or trees if such removal occurs without written approval of the Employer's Agent.</i></li> </ul> <p><i>Note that if audited by DEA / DWS or other regulatory body, any first offence / non-conformances / non-compliances could attract prosecution immediately.</i></p> <p><i>Note that these are fines imposed by the Client, and that DEA / DWS or any other regulatory body may impose other fines as well as prosecutions."</i></p> |
| 8.6.1.2 | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>"South African Special Risks Insurance Association (SASRIA) cover must be arranged on motor vehicles, plant, site accommodation, tools and equipment."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 8.6.1.3 | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>"The limit of indemnity for <b>liability insurance is R20 000 000</b> per event, the number of events being unlimited."</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| Clause  | Contract Data                                                                                                                                                                                                                                                                                                                                                                              |
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| 8.6.1.5 | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>"In addition to the insurance required in terms of General Conditions of Contract Clause 8.6.1.1 to 8.6.1.3 the following insurance is also required:</i></p> <p><i>Insurance cover against any damages or loss against production due to political unrest. The Employer shall not be held responsible for such damages or losses."</i></p> |
| 8.6.6   | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>"Proof of insurance shall be submitted to the Employer before Commencement of the Works (Clause 5.3.1), and copies of the policies and proof of due payment of all premiums shall be presented to the Employer."</i></p>                                                                                                                    |
| 9.2.1.4 | <p>DELETE THE FIRST TWO LINES OF THE CLAUSE AND INSERT THE FOLLOWING:</p> <p><i>"The Contractor furnished inaccurate information in the Returnable Documents or Returnable Schedules forming part of the Contract,"</i></p>                                                                                                                                                                |
| 10.5.1  | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>"Dispute resolution shall be by standing adjudication, using GCC 2025, Appendix 5."</i></p>                                                                                                                                                                                                                                                 |
| 10.5.3  | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>"The number of Adjudication Board Members to be appointed is 1 (one)."</i></p>                                                                                                                                                                                                                                                              |
| 10.7    | <p>ADD THE FOLLOWING TO THIS CLAUSE:</p> <p><i>"Disputes are to be referred to <b>arbitration</b> for final settlement."</i></p>                                                                                                                                                                                                                                                           |

Contractor

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Witness 2

Employer

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## Part 2: Data provided by the Contractor

| Clause                                                                | Contract Data                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |                                                |                                                               |  |                                                                       |  |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------|---------------------------------------------------------------|--|-----------------------------------------------------------------------|--|
| 1.1.1.9                                                               | <p>The name of the Contractor is:</p> <p>.....</p> <p>.....</p>                                                                                                                                                                                                                                                                                                                                                                           |                  |                                                |                                                               |  |                                                                       |  |
| 1.2.1.2                                                               | <p>The address of the Contractor is:</p> <p>Telephone:.....</p> <p>Facsimile:.....</p> <p>E-mail:.....</p> <p>Address:.....</p> <p>.....</p>                                                                                                                                                                                                                                                                                              |                  |                                                |                                                               |  |                                                                       |  |
| 6.2.1                                                                 | <p>The security to be provided by the Contractor shall be one of the following:</p> <table border="1"> <thead> <tr> <th>Type of Security</th><th>Contractor's choice.<br/>Indicate "Yes" or "No"</th></tr> </thead> <tbody> <tr> <td><i>A cash deposit of 10% of the Contract Sum (incl. VAT).</i></td><td></td></tr> <tr> <td><i>Performance guarantee of 10 % of the Contract Sum (incl. VAT).</i></td><td></td></tr> </tbody> </table> | Type of Security | Contractor's choice.<br>Indicate "Yes" or "No" | <i>A cash deposit of 10% of the Contract Sum (incl. VAT).</i> |  | <i>Performance guarantee of 10 % of the Contract Sum (incl. VAT).</i> |  |
| Type of Security                                                      | Contractor's choice.<br>Indicate "Yes" or "No"                                                                                                                                                                                                                                                                                                                                                                                            |                  |                                                |                                                               |  |                                                                       |  |
| <i>A cash deposit of 10% of the Contract Sum (incl. VAT).</i>         |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                                                |                                                               |  |                                                                       |  |
| <i>Performance guarantee of 10 % of the Contract Sum (incl. VAT).</i> |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                                                |                                                               |  |                                                                       |  |

Contractor

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Witness 2

Employer

Witness 1

Witness 2

**VAAL CENTRAL WATER**  
**CONTRACT NO.**  
**VCW380/PWLPLM/24**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF  
A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS  
OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

**SECTION C1.3**

**FORM OF GUARANTEE**

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**VAAL CENTRAL WATER VAAL  
CENTRAL WATER CONTRACT  
NO. VCW380/PWLPLM/24**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF  
A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS  
OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

**FORM OF GUARANTEE**

**(To be supplied on the official letterhead of "The Bank/Company")**

**PERFORMANCE GUARANTEE**

For use with the General Conditions of Contract for Construction Works, Fourth Edition, 2025.

**GUARANTOR DETAILS AND DEFINITIONS**

|                                      |                                                                                                                                                                                |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| "Guarantor" means:                   | .....                                                                                                                                                                          |
| Physical address:                    | .....<br>.....                                                                                                                                                                 |
| "Employer" means:                    | VAAL CENTRAL WATER                                                                                                                                                             |
| "Contractor" means:                  | .....                                                                                                                                                                          |
| "Employer's Agent" means:            | PROPER CONSULTING ENGINEERS (PTY) LTD                                                                                                                                          |
| "Works" means:                       | Contract No: VCW380/PWLPLM/24                                                                                                                                                  |
| "Site" means:                        | PHUTHADITJABA                                                                                                                                                                  |
| "Contract" means:                    | The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.              |
| "Contract Sum" means:                | The accepted amount inclusive of VAT of R.....                                                                                                                                 |
| "Minimum Security Base Amount" means | The amount stated in Clause 6.2.1 of the Contract Data.                                                                                                                        |
| "Security Base Amount" means         | The amount stated in this Performance Guarantee, being the amount applicable in terms of Clause 6.2.1 of the Contract Data at the date of issue of this Performance Guarantee. |
| "Guaranteed Sum" means:              | The maximum aggregate amount of R .....                                                                                                                                        |
| Amount in words:                     | .....<br>.....<br>(Amount to be equal to 10% of the Security Base Amount).                                                                                                     |

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| “Expiry Date” means: | The date falling 24 months after the Commencement Date, or such later date as may be approved in writing by the Employer before the then current Expiry Date. |
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## CONTRACT DETAILS

Employer’s Agent Issues: Interim Payment Certificates, Final Payment Certificate and the Certificate Completion of Works as defined in the Contract.

## PERFORMANCE GUARANTEE

1. The Guarantor’s liability shall be limited to the amount of the Guaranteed Sum.
2. The Guarantor’s period of liability shall be from and including the date of issue of this Performance Guarantee and up to and including the Expiry Date or the date of payment in full of the Guaranteed Sum, whichever occurs first. The Employer and/or the Employer’s Agent shall advise the Guarantor in writing of the date on which the Certificate of Completion has been issued.
- 3.1 The Guarantor hereby acknowledges that:
  - 3.1.1 Any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship.
  - 3.1.2 Its obligation under this performance Guarantee is restricted to the payment of money.
- 3.2 Subject to the Guarantor’s maximum liability referred to in 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 3.2.1 to 3.2.3:
  - 3.2.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Employer’s Agent in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 3.2.2;
  - 3.2.2 A first written demand issued by the Employer to the Guarantor at the Guarantor’s physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 4.1 and the sum certified has still not been paid;
  - 3.2.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 3.2.
- 3.3 Subject to the Guarantor’s maximum liability referred to in 1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor’s physical address calling up this Performance Guarantee, such demand stating that:
  - 3.3.1 The Contract has been terminated due to the Contractor’s default and that this Performance Guarantee is called up in terms of 3.3; or
  - 3.3.2 A provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 3.3; or

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



- 3.3.3 A voluntary winding up resolution has been filled by the Contractor and that the Performance Guarantee is called up in terms of 3.3.
- 3.3.4 A resolution to commence business rescue proceedings has been filed by the Contractor and that the Performance Guarantee is called up in terms of 3.3.
- 3.3.5 A court order has been granted placing the Contractor under supervision and the commencement of business rescue proceedings and that the Performance Guarantee is called up in terms of 3.3.
- 3.3.6 The written demand to be accompanied by a copy:
- 3.3.6.1 The notice of termination or
  - 3.3.6.2 The relevant court order or
  - 3.3.6.3 The relevant notification issued by the Companies and Intellectual Properties Commission or
  - 3.3.6.4 The relevant notification by the applicable governmental authority.
- 3.4 Where the Employer is not in possession or unable to submit the documents in terms of 3.3.6 above, the Employer shall be allowed a 60-calendar day period to submit the documents subject to the following:
- 3.4.1 The demand in terms of 3.3 must be received by the Guarantor before the expiry date.
  - 3.4.2 The effective date as evidenced in the documents in terms of 3.3.6 is prior to the expiry date.
  - 3.4.3 Payment by the Guarantor shall be made within 7 calendar days after receipt of the documents.
  - 3.4.4 Failure to submit the documents within the 60-calendar-day period will result in the demand being null and void.
- 3.5 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 3.2 and 3.3 shall not exceed the Guarantor's maximum liability in terms of 1.
- 3.6 Where the Guarantor has made payment in terms of 3.3, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Performance Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.
- 3.7 Payment by the Guarantor in terms of 3.2 and 3.3 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
- 3.8 Payment by the Guarantor in terms of 3.3 will only be made against the return of the original Performance Guarantee by the Employer.
- 3.9 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may deem fit and the Guarantor shall not have the right to claim his release from this performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
- 3.10 The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

- 3.11 This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
- 3.12 This Performance Guarantee, with the required demand notices in terms of 3.2 or 3.3, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 3.13 Where this Performance guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ at \_\_\_\_\_ (place)

**GUARANTOR'S SIGNATORY**

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**SIGNATURE GUARANTOR 1**

**NAME IN BLOCK LETTERS**

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**CAPACITY GUARANTOR 1**

**SIGNED AT PLACE**

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**SIGNATURE GUARANTOR 2**

**NAME IN BLOCK LETTERS**

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**CAPACITY GUARANTOR 2**

**SIGNED AT PLACE**

**AS WITNESS**

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**SIGNATURE WITNESS 1**

**NAME IN BLOCK LETTERS**

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**SIGNATURE WITNESS 2**

**NAME IN BLOCK LETTERS**

**SIGNED AT PLACE**

**DATE**

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Contractor

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Witness 1

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Witness 2

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Employer

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Witness 1

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Witness 2

VAAL CENTRAL WATER  
CONTRACT NO.  
VCW380/PWLPLM/24

MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA

**PART C2**

**PRICING DATA**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

VAAL CENTRAL WATER  
CONTRACT NO.  
VCW380/PWLPLM/24

MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA

PART C2: PRICING DATA  
CONTENTS

|                                  | PAGE   |
|----------------------------------|--------|
| C2.1 Pricing Instructions .....  | C2.1-1 |
| C2.2 Pricing Schedule .....      | C2.2-1 |
| C2.3 Schedule of Quantities..... | C2.3-1 |
| C2.4 Banking Details .....       | C2.4-1 |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**VAAL CENTRAL WATER**

**CONTRACT NO.**

**VCW380/PWLPLM/24**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

**SECTION C2.1**

**PRICING INSTRUCTIONS**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

## 1. GENERAL

These pricing instructions provide the Bidder with guidelines and requirements with regard to the completion of the bill of quantities. These pricing instructions also describe the criteria and assumptions which will be assumed in the Contract to have been taken into account by the Bidder when developing his prices.

The bill of quantities shall be read with all the documents which form part of this Contract.

The following words have the meaning hereby assigned to them:

|                      |                                                                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit :               | The unit of measurement for each item of work in terms of the Scope of Work.                                                                                                                          |
| Quantity:            | The number of units for each item.                                                                                                                                                                    |
| Rate :               | The payment per unit of work at which the Bidder tenders to do the work.                                                                                                                              |
| Amount:              | The product of the quantity and the rate tendered for an item.                                                                                                                                        |
| Lump sum:<br>(L.Sum) | An amount tendered for an item, the extend of which is described in the Pricing Instructions, Bill of Quantities or the Scope of Work but the quantity of work of which is not measured in any units. |

## 2. PAY ITEMS

The method of measurement published by the South African Bureau of Standards in Clause 8 of the Standardised Specifications for Civil Engineering Construction (SABS 1200) is applicable, subject to the variations and amendments contained in section C3.3.

Descriptions in the Bill of Quantities are abbreviated and comply generally with those in the Standard Specifications. The measurement and payment clause of each Standard Specification, read together with the relevant clauses of the Scope of Work, set out what ancillary or associated activities are included in the rates for the operations specified. Should any requirements of the measurement and payment clause of the applicable Standard Specification, or the Scope of Work, conflict with the terms of the Bill of Quantities, the requirements of the Standard Specification or Scope of Work, as applicable, shall prevail.

The units of measurement described in the Bill of Quantities are metric units. Abbreviations used in the Bill of Quantities are as follows:

|                      |   |                       |          |   |                  |
|----------------------|---|-----------------------|----------|---|------------------|
| mm                   | = | millimetre            | h        | = | hour             |
| m                    | = | metre                 | kg       | = | kilogram         |
| km                   | = | kilometre             | t        | = | ton (1000kg)     |
| m <sup>2</sup>       | = | square metre          | No.      | = | number           |
| m <sup>2</sup> .pass | = | square metre pass     | sum      | = | lump sum         |
| ha                   | = | hectare               | MN       | = | meganewton       |
| m <sup>3</sup>       | = | cubic metre           | MN.m     | = | meganewton-metre |
| m <sup>3</sup> .km   | = | cubic metre-kilometre | PC sum   | = | Prime Cost Sum   |
| l                    | = | litre                 | Prov sum | = | Provisional sum  |
| kl                   | = | kilolitre             | %        | = | per cent         |
| MPa                  | = | megapascal            | kW       | = | kilowatt         |
| kPa                  | = | kilopascal            | wt       | = | wall thickness   |
| month                | = | monthly rate          | dia      | = | diameter         |

**The Employer has the right to inspect and correct any measurements and/or payments that were made before the final Payment Certificate. The Employer also has the right to deduct payment for any work not complying with the specifications before the submission of the final Payment Certificate.**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

### 3. QUANTITIES

- 3.1 Unless otherwise stated, items are measured net in accordance with the drawings, and no allowance is made for waste.
- 3.2 The quantities set out in the Bill of Quantities are the estimated quantities of the Works, and do not necessarily represent the actual amount of work to be done. The quantities certified for payment, and not the quantities given in the Bill of Quantities, shall be used for determining payments to the Contractor. The Contract Price for the completed contract shall be computed from the actual quantities of work done, valued at the relevant unit rates and prices.
- 3.3 Comparison Quantities for Tender Evaluation: The quantities inserted in the Bill of Quantities for tender evaluation purposes shall be treated as comparison quantities only, unless expressly stated otherwise. Such quantities are provided solely to enable tender offers to be evaluated on a common basis and shall not be construed as representing the actual quantities that will be instructed or executed. The Contract remains a remeasurement contract and payment shall be based on the actual measured quantities of work executed under the Contract and valued at the tendered rates and prices.

### 4. RATES

- 4.1 The prices and rates to be inserted in the Bill of Quantities are to be full inclusive prices for the work described under the several items. Such prices and rates shall cover all costs and expenses that may be required in and for the execution of the work described, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents on which the tender is based, as well as overhead charges and profit. Reasonable prices shall be inserted as these will be used as a basis for assessment of payment for additional work that may have to be carried out.
- 4.2 A price or rate is to be entered against each item in the Bill of Quantities, whether the quantities are stated or not. An item against which no price is entered or where a word or phrase such as "included" or "provided elsewhere" will be accepted as a rate of nil (R0,00) having been entered against such items and covered by the other prices or rates in the schedule.

Any work executed to which such a pay item applies, shall be measured under the appropriate items in the Bill of Quantities and valued at a rate of nil (R0,00). The rate of nil shall be valid irrespective of any change in the quantities during the execution of the Contract.

- 4.3 The Bidder shall fill in a rate against all items where the words "rate only" appears in the amount column. The intention is that, although no work is foreseen under such item and no quantities are consequently given in the quantity column, the tendered rate shall apply should work under this item be actually required.
- 4.4 Except where rates only are required, the Bidder shall insert all amounts to be included in his total tendered price in the "Amount" column and show the corresponding total tendered price.
- 4.5 The Bidder shall not group together a number of items and tender one rate for such group of items.
- 4.6 All rates and sums of money quoted in the Bill of Quantities shall be in Rands and whole cents. Fractions of a cent shall be discarded.
- 4.7 All prices and rates entered in the Bill of Quantities must be **excluding Value Added Tax (VAT)**. VAT will be added last on the summary page of the Bill of Quantities.
- 4.8 Should excessively high unit prices be tendered, such prices may be of sufficient importance to warrant

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

rejection of a tender by the Employer.

- 4.9 Where the Contractor is required to furnish detailed drawings and designs or other information in terms of the Contract Documents, all costs thereof shall be deemed to have been provided for and included in the unit rates and sum amounts tendered for the items scheduled in the Bill of Quantities, and separate additional payments will not be made.

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



**VAAL CENTRAL WATER**  
**CONTRACT NO.**  
**VCW380/PWLPLM/24**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

**SECTION C2.2**

**SCHEDULE OF QUANTITIES**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |             |                                                                                                                                                                                                                                                | SECTION A               |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |             |                                                                                                                                                                                                                                                | PRELIMINARY AND GENERAL |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS    | DESCRIPTION                                                                                                                                                                                                                                    | UNIT                    | QTY | RATE | AMOUNT |
| A                                                                                                                                                                                                                 | SANS 1200 A | SECTION A : PRELIMINARY AND GENERAL                                                                                                                                                                                                            |                         |     |      |        |
| A 1                                                                                                                                                                                                               | PSA 8.2.1   | SCHEDULED FIXED-CHARGE ITEMS AND VALUE RELATED ITEMS                                                                                                                                                                                           |                         |     |      |        |
| A 1.1                                                                                                                                                                                                             | 8.3.1       | Contractual Requirements (All Regions)                                                                                                                                                                                                         |                         |     |      |        |
| A 1.1.1                                                                                                                                                                                                           |             | Provision of performance security on appointment for active assigned work up to R 10 000 000                                                                                                                                                   | Sum                     | 1   |      |        |
| A 1.1.2                                                                                                                                                                                                           |             | Extra over for increasing the performance security for each additional R 2 000 000 or portion thereof of active assigned work                                                                                                                  | No                      | 1   |      |        |
| A 1.1.3                                                                                                                                                                                                           |             | Extra over for amendment, replacement, renewal or extension of performance security required in terms of the Contract                                                                                                                          | No.                     | 1   |      |        |
| A 1.1.4                                                                                                                                                                                                           |             | Contractual requirements of a general nature, excluding guarantees / sureties measured elsewhere, including all charges, fees, submissions, notices, records and obligations required under the Contract and not separately measured           | Sum                     | 1   |      |        |
| A 1.1.5                                                                                                                                                                                                           |             | Initial contract establishment, inception meeting, pricing setup and reporting systems                                                                                                                                                         | Sum                     | 1   |      |        |
| A 1.1.6                                                                                                                                                                                                           |             | Preparation of quality plan, environmental controls and standard method statement templates                                                                                                                                                    | Sum                     | 1   |      |        |
| A 1.1.7                                                                                                                                                                                                           |             | Initial GIS / as-built coding structure and leak register setup for contract reporting                                                                                                                                                         | Sum                     | 1   |      |        |
| A 1.2                                                                                                                                                                                                             | 8.3.2       | Establishment of Facilities on the Site. Establishment of Contractor's regional base for the Greater Maluti-a-Phofung / Phuthaditjaba service area, including all associated facilities required for the Contractor's principal operating base |                         |     |      |        |
| A 1.2.1                                                                                                                                                                                                           | 8.3.2.1     | Facilities for Engineer (SABS 1200AB)                                                                                                                                                                                                          |                         |     |      |        |
| A 1.2.1.1                                                                                                                                                                                                         |             | Furnished Office to SANS 1200 AB 3.2 Specifications                                                                                                                                                                                            | Sum                     | 1   |      |        |
| A 1.2.1.2                                                                                                                                                                                                         |             | Mobile Cellular Wifi Modem including 10GB of data per month for the sole use of the Engineers                                                                                                                                                  | Month                   | 24  |      |        |
| A 1.2.1.3                                                                                                                                                                                                         |             | Cellular Airtime allowance for the Engineers at 1 000 minutes talk time per month                                                                                                                                                              | Month                   | 24  |      |        |
| A 1.2.1.4                                                                                                                                                                                                         |             | Epson L14150 EcoTank A3 4-in-1 Wi-Fi Printer for sole use of the engineer including A4 & A3 paper and cartridges for the duration of the project                                                                                               | Sum                     | 1   |      |        |
| A 1.2.1.5                                                                                                                                                                                                         |             | Laptop 4 GHZ Processor ( i7 13th Gen ), 16 GB RAM, 1TB SSD, integrated graphics card Lenovo or similar approved, complete with carry bag and Bluetooth mouse Windows 11 64 bit operating system, MS Office Basic and MS Projects               | No.                     | 1   |      |        |
| A 1.2.1.6                                                                                                                                                                                                         |             | Contract Notice Board                                                                                                                                                                                                                          | Sum                     | 1   |      |        |
| A 1.2.1.7                                                                                                                                                                                                         |             | Safety equipment for the Engineers                                                                                                                                                                                                             |                         |     |      |        |
| A 1.2.1.7.1                                                                                                                                                                                                       |             | 2 x Sets of steel pointed safety shoes                                                                                                                                                                                                         | Sum                     | 1   |      |        |
| A 1.2.1.7.2                                                                                                                                                                                                       |             | 2 x Safety jackets of vests                                                                                                                                                                                                                    | Sum                     | 1   |      |        |
| A 1.2.1.7.3                                                                                                                                                                                                       |             | 2 x Construction Hard Hats                                                                                                                                                                                                                     | Sum                     | 1   |      |        |
| TOTAL CARRIED FORWARD                                                                                                                                                                                             |             |                                                                                                                                                                                                                                                |                         |     |      |        |

## C2.2-2

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |           |                                                                                                                                                                                                                                                                                                                                                     | SECTION A               |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                                                     | PRELIMINARY AND GENERAL |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS  | DESCRIPTION                                                                                                                                                                                                                                                                                                                                         | UNIT                    | QTY | RATE | AMOUNT |
| <b>TOTAL BROUGHT FORWARD</b>                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                     |                         |     |      |        |
| A 1.3                                                                                                                                                                                                             | 8.3.2.2   | <b>Facilities for Contractor (SABS 1200A)</b>                                                                                                                                                                                                                                                                                                       |                         |     |      |        |
| A 1.3.1                                                                                                                                                                                                           |           | Offices and storage sheds                                                                                                                                                                                                                                                                                                                           | Sum                     | 1   |      |        |
| A 1.3.2                                                                                                                                                                                                           |           | Living accommodation                                                                                                                                                                                                                                                                                                                                | Sum                     | 1   |      |        |
| A 1.3.3                                                                                                                                                                                                           |           | Ablution and latrine facilities with wash hand basins and taps                                                                                                                                                                                                                                                                                      | Sum                     | 1   |      |        |
| A 1.3.4                                                                                                                                                                                                           |           | Tools and equipment                                                                                                                                                                                                                                                                                                                                 | Sum                     | 1   |      |        |
| A 1.3.5                                                                                                                                                                                                           |           | Water supplies, electric power and communications                                                                                                                                                                                                                                                                                                   | Sum                     | 1   |      |        |
| A 1.3.6                                                                                                                                                                                                           |           | Rain gauge                                                                                                                                                                                                                                                                                                                                          | No                      | 1   |      |        |
| A 1.3.7                                                                                                                                                                                                           |           | Dealing with water                                                                                                                                                                                                                                                                                                                                  | Sum                     | 1   |      |        |
| A 1.4                                                                                                                                                                                                             | 8.3.3     | <b>Other Fixed -charge obligations</b>                                                                                                                                                                                                                                                                                                              |                         |     |      |        |
| A 1.4.1                                                                                                                                                                                                           |           | Provision of Site Security                                                                                                                                                                                                                                                                                                                          | Sum                     | 1   |      |        |
| A 1.5                                                                                                                                                                                                             | 8.3.4     | Removal of Site Establishment                                                                                                                                                                                                                                                                                                                       | Sum                     | 1   |      |        |
| A 1.6                                                                                                                                                                                                             | PSA 8.3.5 | <b>Additional geographically separate Work Fronts</b>                                                                                                                                                                                                                                                                                               |                         |     |      |        |
| A 1.6.1                                                                                                                                                                                                           |           | Establishment at an additional geographically separate Work Front, including mobilisation of supervisory staff, plant, tools, temporary stores, secure storage / container, temporary ablutions, local signage, local communications, temporary access arrangements and all associated costs required to commence work at that Work Front, complete | No.                     | 10  |      |        |
| A 1.6.2                                                                                                                                                                                                           |           | Removal of an instructed additional geographically separate Work Front on completion, suspension or closure of that Work Front, including clearing away, removal of temporary facilities, making good and leaving the area in a neat and acceptable condition, complete                                                                             | No.                     | 10  |      |        |
| A 1.6.3                                                                                                                                                                                                           |           | Interim relocation / re-establishment of substantial resources between geographically separate Work Fronts on written instruction, including de-establishment from one Work Front and re-establishment at another, but excluding payment under Items A 1.6.1 and A 1.6.2 where separately measured                                                  | Event                   | 10  |      |        |
| A 2                                                                                                                                                                                                               | PSA 8.2.2 | <b>SCHEDULED TIME-RELATED ITEMS</b>                                                                                                                                                                                                                                                                                                                 |                         |     |      |        |
| A 2.1                                                                                                                                                                                                             | PSA 8.4.1 | Contractual Requirements                                                                                                                                                                                                                                                                                                                            | Sum                     | 1   |      |        |
| A 2.2                                                                                                                                                                                                             | 8.4.2     | <b>Operation and Maintenance of Facilities on Site for the duration of the Contract, for:</b>                                                                                                                                                                                                                                                       |                         |     |      |        |
| A 2.3                                                                                                                                                                                                             | 8.4.2.1   | <b>Facilities for Engineer for duration of construction (SANS 1200 AB)</b>                                                                                                                                                                                                                                                                          |                         |     |      |        |
| A 2.3.1                                                                                                                                                                                                           |           | Furnished Office to SANS 1200 AB 3.2 Specifications                                                                                                                                                                                                                                                                                                 | Sum                     | 1   |      |        |
| A 2.3.2                                                                                                                                                                                                           |           | Survey assistants                                                                                                                                                                                                                                                                                                                                   | Sum                     | 1   |      |        |
| A 2.3.3                                                                                                                                                                                                           |           | Survey Equipment and Material                                                                                                                                                                                                                                                                                                                       | Sum                     | 1   |      |        |
| A 2.4                                                                                                                                                                                                             | 8.4.2.2   | <b>Facilities for Contractor for duration of construction, except where otherwise stated</b>                                                                                                                                                                                                                                                        |                         |     |      |        |
| <b>TOTAL CARRIED FORWARD</b>                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                     |                         |     |      |        |

### C2.2-3

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |           |                                                                                                                                                                                                                                                                                                                | SECTION A               |              |              |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------|--------------|--------------|
|                                                                                                                                                                                                                   |           |                                                                                                                                                                                                                                                                                                                | PRELIMINARY AND GENERAL |              |              |              |
| ITEM                                                                                                                                                                                                              | PAY REFS  | DESCRIPTION                                                                                                                                                                                                                                                                                                    | UNIT                    | QTY          | RATE         | AMOUNT       |
| <b>TOTAL BROUGHT FORWARD</b>                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                |                         |              |              |              |
| A 2.4.1                                                                                                                                                                                                           |           | Offices and storage sheds                                                                                                                                                                                                                                                                                      | Sum                     | 1            |              |              |
| A 2.4.2                                                                                                                                                                                                           |           | Workshops                                                                                                                                                                                                                                                                                                      | Sum                     | 1            |              |              |
| A 2.4.3                                                                                                                                                                                                           |           | Laboratories                                                                                                                                                                                                                                                                                                   | Sum                     | 1            |              |              |
| A 2.4.4                                                                                                                                                                                                           |           | Living accommodation                                                                                                                                                                                                                                                                                           | Sum                     | 1            |              |              |
| A 2.4.5                                                                                                                                                                                                           |           | Ablution and Latrine facilities                                                                                                                                                                                                                                                                                | Sum                     | 1            |              |              |
| A 2.4.6                                                                                                                                                                                                           |           | Tools and Equipment                                                                                                                                                                                                                                                                                            | Sum                     | 1            |              |              |
| A 2.4.7                                                                                                                                                                                                           |           | Water supplies, electric power and communications                                                                                                                                                                                                                                                              | Sum                     | 1            |              |              |
| A 2.4.8                                                                                                                                                                                                           |           | Dealing with water                                                                                                                                                                                                                                                                                             | Sum                     | 1            |              |              |
| A 2.4.9                                                                                                                                                                                                           |           | Acess                                                                                                                                                                                                                                                                                                          | Sum                     | 1            |              |              |
| A 2.4.10                                                                                                                                                                                                          |           | Plant                                                                                                                                                                                                                                                                                                          | Sum                     | 1            |              |              |
| A 2.4.11                                                                                                                                                                                                          | 8.4.3     | Construction Supervision for the duration of the contract                                                                                                                                                                                                                                                      | Sum                     | 1            |              |              |
| A 2.4.12                                                                                                                                                                                                          | 8.4.4     | Company and Head Office overhead costs for the Duration of the Contract                                                                                                                                                                                                                                        | Sum                     | 1            |              |              |
| A 2.4.13                                                                                                                                                                                                          | 8.4.5     | Provision of Security Personnel at Site offices, buildings, works etc.                                                                                                                                                                                                                                         | Sum                     | 1            |              |              |
| A 3                                                                                                                                                                                                               |           | <b>MONTHLY TIME-RELATED CHARGES</b>                                                                                                                                                                                                                                                                            |                         |              |              |              |
| A 3.1                                                                                                                                                                                                             | 8.3.3     | Contract manager / project lead                                                                                                                                                                                                                                                                                | Month                   | 24           |              |              |
| A 3.2                                                                                                                                                                                                             | 8.3.3     | Site agent / supervisor                                                                                                                                                                                                                                                                                        | Month                   | 24           |              |              |
| A 3.3                                                                                                                                                                                                             | 8.3.3     | Safety, environmental and public interface management                                                                                                                                                                                                                                                          | Month                   | 24           |              |              |
| A 3.4                                                                                                                                                                                                             | 8.3.3     | Maintenance of site establishment, records, attendance registers and monthly progress reporting                                                                                                                                                                                                                | Month                   | 24           |              |              |
| A 3.5                                                                                                                                                                                                             | 8.3.3     | GIS / as-built and photo record updating support                                                                                                                                                                                                                                                               | Month                   | 24           |              |              |
| A 3.6                                                                                                                                                                                                             | PSA 8.3.5 | Time-related cost of maintaining an instructed additional geographically separate Work Front in operation, including temporary stores, secure storage / container, ablutions, local supervision attendance, local signage, communications, security and all associated overheads for that Work Front, complete | Month                   | 24           |              |              |
| A 4                                                                                                                                                                                                               |           | <b>SUMS STATED PROVISIONALLY BY EMPLOYER</b>                                                                                                                                                                                                                                                                   |                         |              |              |              |
| A 4.1                                                                                                                                                                                                             |           | Relocation of Municipal Services                                                                                                                                                                                                                                                                               | Prov. Sum               | 1            | R 50 000.00  | R 50 000.00  |
| A 4.2                                                                                                                                                                                                             |           | Overheads, charges and profit on item A2.3.3                                                                                                                                                                                                                                                                   | %                       | R 50 000.00  |              |              |
| A 4.3                                                                                                                                                                                                             |           | Community Liaison Officer (CLO) remuneration                                                                                                                                                                                                                                                                   | Prov. Sum               | 1            | R 240 000.00 | R 240 000.00 |
| A 4.4                                                                                                                                                                                                             |           | Overheads, charges and profit on item A2.3.5                                                                                                                                                                                                                                                                   | %                       | R 240 000.00 |              |              |
| A 4.5                                                                                                                                                                                                             |           | Conducting of skills audit, development of training plan, attending accredited training courses                                                                                                                                                                                                                | Prov. Sum               | 1            | R 100 000.00 | R 100 000.00 |
| A 4.6                                                                                                                                                                                                             |           | Overheads, charges and profit over Item 2.3.7                                                                                                                                                                                                                                                                  | %                       | R 100 000.00 |              |              |
| A 4.7                                                                                                                                                                                                             |           | Transport of workers for training where it is not possible to undertake training in close proximity to the site                                                                                                                                                                                                | Prov. Sum               | 1            | R 50 000.00  | R 50 000.00  |
| <b>TOTAL CARRIED FORWARD</b>                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                |                         |              |              |              |

#### C2.2-4

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADIT JABA |            |                                                                                                                                    |           | SECTION A               |             |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------|-------------|-------------|
|                                                                                                                                                                                                                    |            |                                                                                                                                    |           | PRELIMINARY AND GENERAL |             |             |
| ITEM                                                                                                                                                                                                               | PAY REFS   | DESCRIPTION                                                                                                                        | UNIT      | QTY                     | RATE        | AMOUNT      |
| <b>TOTAL BROUGHT FORWARD</b>                                                                                                                                                                                       |            |                                                                                                                                    |           |                         |             |             |
| A 4.8                                                                                                                                                                                                              |            | Overheads, charges and profit on item A2.3.9                                                                                       | %         | R 50 000.00             |             |             |
| A 4.9                                                                                                                                                                                                              |            | Accommodation of workers for training where it is not possible to undertake training in close proximity to the site                | Prov. Sum | 1                       | R 50 000.00 | R 50 000.00 |
| A 4.10                                                                                                                                                                                                             |            | Overheads, charges and profit on item A2.3.11                                                                                      | %         | R 50 000.00             |             |             |
| A 5                                                                                                                                                                                                                | 8.8        | <b>TEMPORARY WORKS</b>                                                                                                             |           |                         |             |             |
| A 5.1                                                                                                                                                                                                              | 8.8.2      | Accommodation of traffic                                                                                                           | Sum       | 1                       |             |             |
| A 6                                                                                                                                                                                                                |            | <b>Payment for the following items shall only be made on instruction of the Engineer to utilise these items:</b>                   |           |                         |             |             |
| A 6.1                                                                                                                                                                                                              |            | Portable STOP/GO-RY signs                                                                                                          | No        | 4                       |             |             |
| A 6.2                                                                                                                                                                                                              |            | Road works - TW336                                                                                                                 | No        | 4                       |             |             |
| A 6.3                                                                                                                                                                                                              |            | Temporary Regulatory Sign - TR201-60                                                                                               | No        | 4                       |             |             |
| A 6.4                                                                                                                                                                                                              |            | Temporary Regulatory Sign - TR201-40                                                                                               | No        | 4                       |             |             |
| A 6.5                                                                                                                                                                                                              |            | Keep Right - TR104                                                                                                                 | No        | 4                       |             |             |
| A 6.6                                                                                                                                                                                                              |            | Warning TW336-WG (We Apologize for ...)                                                                                            | No        | 2                       |             |             |
| A 6.7                                                                                                                                                                                                              |            | Danger Plate TW401/TW402                                                                                                           | No        | 20                      |             |             |
| A 6.8                                                                                                                                                                                                              |            | Plastic traffic cones (large)                                                                                                      | No        | 20                      |             |             |
| A 6.9                                                                                                                                                                                                              |            | Plastic barrier with droppers and fencing to barricade off works area and trenches                                                 | m         | 1000                    |             |             |
| A 7                                                                                                                                                                                                                |            | Special water control in terms of project specification.                                                                           | Sum       | 1                       |             |             |
| A 8                                                                                                                                                                                                                |            | Supply temporary vehicle access to appropriate households.                                                                         | No        | 10                      |             |             |
| A 9                                                                                                                                                                                                                |            | <b>SPECIALIST COMPLIANCE AND ADMINISTRATION</b>                                                                                    |           |                         |             |             |
| A 9.1                                                                                                                                                                                                              |            | Asbestos-containing pipework management plan, induction and compliance oversight                                                   | Task      | 6                       |             |             |
| A 9.2                                                                                                                                                                                                              |            | Traffic accommodation establishment for work in major roads / urban centres                                                        | Task      | 10                      |             |             |
| A 9.3                                                                                                                                                                                                              |            | Emergency call-out and out-of-hours standby arrangement                                                                            | Month     | 36                      |             |             |
| A 10                                                                                                                                                                                                               |            | <b>OCCUPATIONAL HEALTH AND SAFETY</b>                                                                                              |           |                         |             |             |
| A 10.1                                                                                                                                                                                                             | PSA 8.9.1  | Cost of OHS measures in terms of Construction Regulations (2014) of the Occupational Health and Safety Act.                        | Month     | 36                      |             |             |
| A 10.2                                                                                                                                                                                                             | PSA 8.9.2  | Compilation and maintenance of a Health and Safety Plan, including Risk Assessment, Safety Works Procedures and Methods Statement. | Sum       | 1                       |             |             |
| A 10.3                                                                                                                                                                                                             | PS A 8.9.3 | Compilation and maintenance of the Health and Safety File.                                                                         | Sum       | 1                       |             |             |
| A 10.4                                                                                                                                                                                                             | PS A 8.9.4 | Medical Examinations                                                                                                               | No.       | 50                      |             |             |
| A 11                                                                                                                                                                                                               |            | <b>ENVIRONMENTAL MANAGEMENT PLAN</b>                                                                                               |           |                         |             |             |
| <b>TOTAL CARRIED FORWARD</b>                                                                                                                                                                                       |            |                                                                                                                                    |           |                         |             |             |

# C2.2-5

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |          |                                                                         |       | <b>SECTION A</b>               |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------|-------|--------------------------------|------|--------|
|                                                                                                                                                                                                                   |          |                                                                         |       | <b>PRELIMINARY AND GENERAL</b> |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS | DESCRIPTION                                                             | UNIT  | QTY                            | RATE | AMOUNT |
| <b>TOTAL BROUGHT FORWARD</b>                                                                                                                                                                                      |          |                                                                         |       |                                |      |        |
| A 11.1                                                                                                                                                                                                            | PSA 10.1 | Compliation of a Environmental Management Plan                          | No.   | 1                              |      |        |
| A 11.2                                                                                                                                                                                                            | PSA 10.2 | Compliance and impletmentation of the Environmental Management Plan     | Month | 24                             |      |        |
| A 12                                                                                                                                                                                                              | PSA 11   | <b>LOCAL ECONOMIC PARTICIPLATION PLAN</b>                               |       |                                |      |        |
| A 12.1                                                                                                                                                                                                            | PSA 10.1 | Compliation of a Local Econimic Participation Plan                      | No.   | 1                              |      |        |
| A 12.2                                                                                                                                                                                                            | PSA 10.2 | Compliance and impletmentation of the Local Econimic Participation Plan | Month | 24                             |      |        |
| <b>TOTAL SECTION A CARRIED TO SUMMARY</b>                                                                                                                                                                         |          |                                                                         |       |                                |      |        |

C2.2-6

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                |                                                                                                    | SECTION B |              |              |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------|-----------|--------------|--------------|--------------|
|                                                                                                                                                                                                                   |                |                                                                                                    | DAYWORKS  |              |              |              |
| ITEM                                                                                                                                                                                                              | PAY REFS       | DESCRIPTION                                                                                        | UNIT      | QTY          | RATE         | AMOUNT       |
| B                                                                                                                                                                                                                 | SANS 1200A 8.7 | <b>SECTION B: DAYWORKS</b>                                                                         |           |              |              |              |
| B1                                                                                                                                                                                                                |                | <b>Labour : (Rates shall include all on-costs, including Supervision)</b>                          |           |              |              |              |
| B1.1                                                                                                                                                                                                              |                | Contract manager                                                                                   | hr        | 80           |              |              |
| B1.2                                                                                                                                                                                                              |                | Site agent / foreman                                                                               | hr        | 240          |              |              |
| B1.3                                                                                                                                                                                                              |                | Leak detection technician                                                                          | hr        | 240          |              |              |
| B1.4                                                                                                                                                                                                              |                | Artisan plumber / pipe fitter                                                                      | hr        | 320          |              |              |
| B1.5                                                                                                                                                                                                              |                | Welder / steel pipe repair artisan                                                                 | hr        | 160          |              |              |
| B1.6                                                                                                                                                                                                              |                | Electrician / instrumentation technician                                                           | hr        | 160          |              |              |
| B1.7                                                                                                                                                                                                              |                | General worker                                                                                     | hr        | 1 000        |              |              |
| B1.8                                                                                                                                                                                                              |                | Flagman / traffic marshal                                                                          | hr        | 320          |              |              |
| B2                                                                                                                                                                                                                |                | <b>Plant : (Wet rates shall be tendered and shall include all on-costs, including supervision)</b> |           |              |              |              |
| B2.1                                                                                                                                                                                                              |                | LDV / bakkie                                                                                       | km        | 30000        |              |              |
| B2.2                                                                                                                                                                                                              |                | Tipper truck                                                                                       | hr        | 160          |              |              |
| B2.3                                                                                                                                                                                                              |                | TLB                                                                                                | hr        | 240          |              |              |
| B2.4                                                                                                                                                                                                              |                | Excavator 5-8 ton                                                                                  | hr        | 240          |              |              |
| B2.5                                                                                                                                                                                                              |                | Excavator 12-20 ton                                                                                | hr        | 160          |              |              |
| B2.6                                                                                                                                                                                                              |                | Road breaker / compressor                                                                          | hr        | 160          |              |              |
| B2.7                                                                                                                                                                                                              |                | Dewatering pump set                                                                                | hr        | 160          |              |              |
| B2.8                                                                                                                                                                                                              |                | Generator                                                                                          | hr        | 160          |              |              |
| B2.9                                                                                                                                                                                                              |                | Plate compactor / rammer                                                                           | hr        | 160          |              |              |
| B3                                                                                                                                                                                                                |                | <b>Materials</b>                                                                                   |           |              |              |              |
| B3.1                                                                                                                                                                                                              |                | Additional materials required by the Engineer based on their net cost                              | Prov Sum  | 1            | R 150 000.00 | R 150 000.00 |
| B3.2                                                                                                                                                                                                              |                | Materials supplied under daywork - tendered mark-up on nett invoiced cost                          | %         | R 150 000.00 |              |              |
| B4                                                                                                                                                                                                                |                | <b>Specialist Sub-Contractor Works</b>                                                             |           |              |              |              |
| B4.1                                                                                                                                                                                                              |                | Specialist Subcontractor Work required by tge Engineer based on their net cost                     | Prov. Sum | 1            | R 100 000.00 | R 100 000.00 |
| B4.2                                                                                                                                                                                                              |                | Specialist subcontract work under daywork - tendered mark-up on nett invoiced cost                 | %         | R 100 000.00 |              |              |
| <b>TOTAL SECTION B CARRIED TO SUMMARY</b>                                                                                                                                                                         |                |                                                                                                    |           |              |              |              |

C2.2-7

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                |                                                                                                                          | SECTION C      |      |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------|----------------|------|------|--------|
|                                                                                                                                                                                                                   |                |                                                                                                                          | SITE CLEARANCE |      |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS       | DESCRIPTION                                                                                                              | UNIT           | QTY  | RATE | AMOUNT |
| C                                                                                                                                                                                                                 |                | <b>SECTION C : SITE CLEARANCE</b>                                                                                        |                |      |      |        |
| C 1                                                                                                                                                                                                               | SANS<br>1200 C | <b>SITE CLEARANCE</b>                                                                                                    |                |      |      |        |
| C 1.1                                                                                                                                                                                                             | 8.2.1          | Clear and grub Site, 3.0m wide strip                                                                                     | m              | 5000 |      |        |
| C 1.2                                                                                                                                                                                                             | 8.2.2          | <b>Remove and grub large trees and tree stumps of girth Over and up to</b>                                               |                |      |      |        |
| C 1.2.1                                                                                                                                                                                                           |                | 1 m to 2 m                                                                                                               | No.            | 6    |      |        |
| C 1.2.2                                                                                                                                                                                                           |                | 2 m to 3 m                                                                                                               | No.            | 3    |      |        |
| C 1.2.3                                                                                                                                                                                                           |                | 3 m upwards in 1 m steps                                                                                                 | No.            | 2    |      |        |
| C 1.3                                                                                                                                                                                                             | 8.2.4          | Reclear working strip 3 m wide on written instruction from the Engineer                                                  | m              | 1500 |      |        |
| C 2                                                                                                                                                                                                               | 8.2.5          | <b>REMOVAL OF FENCES, BOUNDARY WALLS, ETC</b>                                                                            |                |      |      |        |
| C 2.1                                                                                                                                                                                                             |                | <b>Taking down existing fences including neatly stacking on site designated by the Engineer</b>                          |                |      |      |        |
| C 2.1.1                                                                                                                                                                                                           |                | 1,2m High fence                                                                                                          | m              | 200  |      |        |
| C 2.1.2                                                                                                                                                                                                           |                | 1,8m High fence                                                                                                          | m              | 200  |      |        |
| C 2.2                                                                                                                                                                                                             | 8.2.6          | <b>Clear hedge, fence or both where not scheduled separately and spoil material</b>                                      |                |      |      |        |
| C 2.2.1                                                                                                                                                                                                           |                | Hedge 1,5m high                                                                                                          | m              | 200  |      |        |
| C 2.2.2                                                                                                                                                                                                           |                | Hedge 1,5m high including fence 1,2m high                                                                                | m              | 200  |      |        |
| C 2.3                                                                                                                                                                                                             | 8.2.5          | <b>Taking down existing steel palisade fencing including neatly stacking on site designated by the Engineer</b>          |                |      |      |        |
| C 2.3.1                                                                                                                                                                                                           |                | Steel palisade fence 1,8m high                                                                                           | m              | 200  |      |        |
| C 2.3.2                                                                                                                                                                                                           |                | Steel palisade fence 2,4m high                                                                                           | m              | 200  |      |        |
| C 2.4                                                                                                                                                                                                             | 8.2.5          | <b>Taking down existing precast concrete boundary walls including neatly stacking on site designated by the Engineer</b> |                |      |      |        |
| C 2.4.1                                                                                                                                                                                                           |                | Precast concrete boundary walls 1,2m high                                                                                | m              | 200  |      |        |
| C 2.4.2                                                                                                                                                                                                           |                | Precast concrete boundary walls 1,8m high                                                                                | m              | 200  |      |        |
| C 2.4.3                                                                                                                                                                                                           |                | Precast concrete boundary walls 2,4m high                                                                                | m              | 200  |      |        |
| C 2.5                                                                                                                                                                                                             | 8.2.5          | <b>Taking down existing brick boundary walls and spoil material</b>                                                      |                |      |      |        |
| C 2.5.1                                                                                                                                                                                                           |                | 115mm Thick brick boundary wall including pilasters, etc 1,2m high                                                       | m              | 100  |      |        |
| C 2.5.2                                                                                                                                                                                                           |                | 115mm Thick brick boundary wall including pilasters, etc 1,8m high                                                       | m              | 50   |      |        |
| C 2.5.3                                                                                                                                                                                                           |                | 230mm Thick brick boundary wall 1,2m high                                                                                | m              | 200  |      |        |
| C 2.5.4                                                                                                                                                                                                           |                | 230mm Thick brick boundary wall 1,8m high                                                                                | m              | 250  |      |        |
| C 2.5.5                                                                                                                                                                                                           |                | 345mm Thick brick boundary wall 1,2m high                                                                                | m              | 100  |      |        |
| C 2.5.6                                                                                                                                                                                                           |                | 345mm Thick brick boundary wall 1,8m high                                                                                | m              | 100  |      |        |
| C 3                                                                                                                                                                                                               |                | <b>REINSTATEMENT OF FENCES, BOUNDARY, WALLS ETC.</b>                                                                     |                |      |      |        |
| <b>TOTAL CARRIED FORWARD</b>                                                                                                                                                                                      |                |                                                                                                                          |                |      |      |        |

C2.2-8

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |          |                                                                                                                                                    | SECTION C      |      |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------|------|--------|
|                                                                                                                                                                                                                   |          |                                                                                                                                                    | SITE CLEARANCE |      |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS | DESCRIPTION                                                                                                                                        | UNIT           | QTY  | RATE | AMOUNT |
| TOTAL BROUGHT FORWARD                                                                                                                                                                                             |          |                                                                                                                                                    |                |      |      |        |
| C 3.1                                                                                                                                                                                                             | PSC8     | Take from stockpile on site existing fences and reinstate in similar position including replacing missing or damaged elements. etc                 |                |      |      |        |
| C 3.1.1                                                                                                                                                                                                           |          | 1,2m High fence                                                                                                                                    | m              | 200  |      |        |
| C 3.1.2                                                                                                                                                                                                           |          | 1,8m High fence                                                                                                                                    | m              | 200  |      |        |
| C 3.2                                                                                                                                                                                                             | PSC8     | Take from stockpile on site existing steel palisade fencing and reinstate in similar position including replacing missing or damaged elements. etc |                |      |      |        |
| C 3.2.1                                                                                                                                                                                                           |          | Steel palisade fence 1,8m high                                                                                                                     | m              | 200  |      |        |
| C 3.2.2                                                                                                                                                                                                           |          | Steel palisade fence 2,4m high                                                                                                                     | m              | 200  |      |        |
| C 3.3                                                                                                                                                                                                             | PSC8     | Take from stockpile on site existing precast concrete reinstate in similar position including replacing missing or damaged elements. etc           |                |      |      |        |
| C 3.3.1                                                                                                                                                                                                           |          | Precast concrete boundary walls 1,2m high                                                                                                          | m              | 200  |      |        |
| C 3.3.2                                                                                                                                                                                                           |          | Precast concrete boundary walls 1,8m high                                                                                                          | m              | 200  |      |        |
| C 3.3.3                                                                                                                                                                                                           |          | Precast concrete boundary walls 2,4m high                                                                                                          | m              | 200  |      |        |
| C 3.4                                                                                                                                                                                                             |          | Supply and deliver bricks for the reinstatement of brickwalls                                                                                      | m <sup>2</sup> | 1200 |      |        |
| C 3.5                                                                                                                                                                                                             |          | Reinstatement of brickwalls 115mm to 345mm                                                                                                         | m <sup>2</sup> | 1200 |      |        |
| C 4                                                                                                                                                                                                               |          | Locate and test hydrants and valves on instruction by the Engineer irrespective of size and type                                                   | No.            | 50   |      |        |
| TOTAL SECTION C CARRIED TO SUMMARY                                                                                                                                                                                |          |                                                                                                                                                    |                |      |      |        |

C2.2-9

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                 |                                                                                                                                                                                                                      | SECTION D                  |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |                 |                                                                                                                                                                                                                      | EARTHWORKS (PIPE TRENCHES) |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS        | DESCRIPTION                                                                                                                                                                                                          | UNIT                       | QTY | RATE | AMOUNT |
| D                                                                                                                                                                                                                 | SANS<br>1200 DB | SECTION D: EARTHWORKS (PIPE TRENCHES)                                                                                                                                                                                |                            |     |      |        |
| D.1                                                                                                                                                                                                               | PSDB8.3.2       | EXCAVATION                                                                                                                                                                                                           |                            |     |      |        |
| D.1.1                                                                                                                                                                                                             |                 | Excavate with machine in all materials for trenches, backfill, compact and dispose of surplus material, for pipes up to 400mm diameter. for the following depths:                                                    |                            |     |      |        |
| D.1.1.1                                                                                                                                                                                                           |                 | Exceeding 0,0 m but not exceeding 1,0 m                                                                                                                                                                              | m                          | 500 |      |        |
| D.1.1.2                                                                                                                                                                                                           |                 | Exceeding 1,0 m but not exceeding 1,5 m                                                                                                                                                                              | m                          | 500 |      |        |
| D.1.1.3                                                                                                                                                                                                           |                 | Exceeding 1,5 m but not exceeding 2,0 m                                                                                                                                                                              | m                          | 500 |      |        |
| D.1.2                                                                                                                                                                                                             |                 | Excavate by hand in all materials for trenches, backfill, compact and dispose of surplus material, for pipes up to 400 mm diameter. for the following depths:                                                        |                            |     |      |        |
| D.1.2.1                                                                                                                                                                                                           |                 | Exceeding 0,0 m but not exceeding 1,0 m                                                                                                                                                                              | m                          | 50  |      |        |
| D.1.2.2                                                                                                                                                                                                           |                 | Exceeding 1,0 m but not exceeding 1,5 m                                                                                                                                                                              | m                          | 50  |      |        |
| D.1.3                                                                                                                                                                                                             |                 | Backfill by hand including select, backfill, compact and dispose of all surplus material at authorized spoil site determined by the Contractor for main pipes with diameters up to 400 mm. for the following depths: |                            |     |      |        |
| D.1.3.1                                                                                                                                                                                                           |                 | Exceeding 0,0 m but not exceeding 1,0 m                                                                                                                                                                              | m                          | 50  |      |        |
| D.1.3.2                                                                                                                                                                                                           |                 | Exceeding 1,0 m but not exceeding 1,5 m                                                                                                                                                                              | m                          | 50  |      |        |
| D.1.4                                                                                                                                                                                                             |                 | Excavate with machine in all materials for trenches, backfill, compact and dispose of surplus material, for pipes up to 250mm diameter. for the following depths:                                                    |                            |     |      |        |
| D.1.4.1                                                                                                                                                                                                           |                 | Exceeding 0,0 m but not exceeding 1,0 m                                                                                                                                                                              | m                          | 500 |      |        |
| D.1.4.2                                                                                                                                                                                                           |                 | Exceeding 1,0 m but not exceeding 1,5 m                                                                                                                                                                              | m                          | 500 |      |        |
| D.1.4.3                                                                                                                                                                                                           |                 | Exceeding 1,5 m but not exceeding 2,0 m                                                                                                                                                                              | m                          | 500 |      |        |
| D.1.5                                                                                                                                                                                                             |                 | Excavate by hand in all materials for trenches, backfill, compact and dispose of surplus material, for pipes up to 250mm diameter. for the following depths:                                                         |                            |     |      |        |
| D.1.5.1                                                                                                                                                                                                           |                 | Exceeding 0,0 m but not exceeding 1,0 m                                                                                                                                                                              | m                          | 50  |      |        |
| D.1.5.2                                                                                                                                                                                                           |                 | Exceeding 1,0 m but not exceeding 1,5 m                                                                                                                                                                              | m                          | 50  |      |        |
| D.1.6                                                                                                                                                                                                             |                 | Backfill by hand including select, backfill, compact and dispose of all surplus material at authorized spoil site determined by the Contractor for main pipes with diameters up to 250 mm. for the following depths: |                            |     |      |        |
| D.1.6.1                                                                                                                                                                                                           |                 | Exceeding 0,0 m but not exceeding 1,0 m                                                                                                                                                                              | m                          | 50  |      |        |
| D.1.6.2                                                                                                                                                                                                           |                 | Exceeding 1,0 m but not exceeding 1,5 m                                                                                                                                                                              | m                          | 50  |      |        |
| D.1.7                                                                                                                                                                                                             |                 | Excavate with machine in all materials for trenches, backfill, compact and dispose of surplus material, for pipes up to 110 diameter. for the following depths:                                                      |                            |     |      |        |
| D.1.7.1                                                                                                                                                                                                           |                 | Exceeding 0,0 m but not exceeding 1,0 m                                                                                                                                                                              | m                          | 500 |      |        |
| TOTAL CARRIED FORWARD                                                                                                                                                                                             |                 |                                                                                                                                                                                                                      |                            |     |      |        |

# C2.2-10

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                |                                                                                                                                                                                                                             | SECTION D                  |      |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------|------|--------|
|                                                                                                                                                                                                                   |                |                                                                                                                                                                                                                             | EARTHWORKS (PIPE TRENCHES) |      |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS       | DESCRIPTION                                                                                                                                                                                                                 | UNIT                       | QTY  | RATE | AMOUNT |
| <b>TOTAL BROUGHT FORWARD</b>                                                                                                                                                                                      |                |                                                                                                                                                                                                                             |                            |      |      |        |
| D.1.7.2                                                                                                                                                                                                           |                | Exceeding 1,0 m but not exceeding 1,5 m                                                                                                                                                                                     | m                          | 500  |      |        |
| D.1.7.3                                                                                                                                                                                                           |                | Exceeding 1,5 m but not exceeding 2,0 m                                                                                                                                                                                     | m                          | 500  |      |        |
| D.1.8                                                                                                                                                                                                             |                | <b>Excavate by hand in all materials for trenches, backfill, compact and dispose of surplus material, for pipes up to 110mm diameter. for the following depths:</b>                                                         |                            |      |      |        |
| D.1.8.1                                                                                                                                                                                                           |                | Exceeding 0,0 m but not exceeding 1,0 m                                                                                                                                                                                     | m                          | 50   |      |        |
| D.1.8.2                                                                                                                                                                                                           |                | Exceeding 1,0 m but not exceeding 1,5 m                                                                                                                                                                                     | m                          | 50   |      |        |
| D.1.9                                                                                                                                                                                                             |                | <b>Backfill by hand including select, backfill, compact and dispose of all surplus material at authorized spoil site determined by the Contractor for main pipes with diameters up to 110 mm. for the following depths:</b> |                            |      |      |        |
| D.1.9.1                                                                                                                                                                                                           |                | Exceeding 0,0 m but not exceeding 1,0 m                                                                                                                                                                                     | m                          | 500  |      |        |
| D.1.9.2                                                                                                                                                                                                           |                | Exceeding 1,0 m but not exceeding 1,5 m                                                                                                                                                                                     | m                          | 500  |      |        |
| D.1.9.3                                                                                                                                                                                                           | 8.3.2          | <b>Extra-over for PSDB 8.3.2 (a) &amp; (d)</b>                                                                                                                                                                              |                            |      |      |        |
| D.1.9.3.1                                                                                                                                                                                                         |                | Intermediate excavation                                                                                                                                                                                                     | m³                         | 500  |      |        |
| D.1.9.3.2                                                                                                                                                                                                         |                | Hard rock excavation                                                                                                                                                                                                        | m³                         | 2500 |      |        |
| D.1.9.3.3                                                                                                                                                                                                         |                | Excavate and dispose of unsuitable material from trench bottom                                                                                                                                                              | m³                         | 1500 |      |        |
| D.1.9.3.4                                                                                                                                                                                                         |                | Extra-over PS DB 8.3.2 (a) for temporary stockpiling of material                                                                                                                                                            | m³                         | 300  |      |        |
| D.1.9.3.5                                                                                                                                                                                                         | PS DB 8.3.2(f) | Extra-over item PS DB 8.3.2(a) for restricted excavation for pipe trenches in all materials and use for backfilling, fill or disposal                                                                                       | m³                         | 150  |      |        |
| D.1.9.3.6                                                                                                                                                                                                         | PS DB 8.3.2(g) | Hand excavation to expose and protect all existing services                                                                                                                                                                 | m³                         | 50   |      |        |
| D.1.9.3.7                                                                                                                                                                                                         | PS DM 8.3.12   | Extra-over for overhaul on item PS DB 8.3.2(b) and (c) to spoil site determined by Contractor                                                                                                                               | m³                         | 50   |      |        |
| D.2                                                                                                                                                                                                               | PS DB 8.3.3    | <b>EXCAVATION ANCILLARIES</b>                                                                                                                                                                                               |                            |      |      |        |
| D.2.1                                                                                                                                                                                                             | 8.3.3.1        | <b>Make up deficiency in backfill material</b>                                                                                                                                                                              |                            |      |      |        |
| D.2.1.1                                                                                                                                                                                                           |                | from other necessary excavations on site                                                                                                                                                                                    | m³                         | 150  |      |        |
| D.2.1.2                                                                                                                                                                                                           |                | by importation from commercial sources G7 quality material                                                                                                                                                                  | m³                         | 900  |      |        |
| D.2.1.3                                                                                                                                                                                                           |                | By importation from designated borrow pits                                                                                                                                                                                  | m³                         | 300  |      |        |
| D.2.2                                                                                                                                                                                                             | 8.3.3.3        | Compaction in road reserves (300mm deep)                                                                                                                                                                                    | m³                         | 300  |      |        |
| D.2.3                                                                                                                                                                                                             | PS DB 8.3.4    | <b>Shore a trench opposite structure or service</b>                                                                                                                                                                         |                            |      |      |        |
| D.2.3.1                                                                                                                                                                                                           |                | ESKOM Line                                                                                                                                                                                                                  | m                          | 200  |      |        |
| D.2.3.2                                                                                                                                                                                                           |                | Sewer Line                                                                                                                                                                                                                  | m                          | 200  |      |        |
| D.2.3.3                                                                                                                                                                                                           |                | Water Line                                                                                                                                                                                                                  | m                          | 200  |      |        |
| D.2.3.4                                                                                                                                                                                                           |                | TELKOM & Fibre Lines                                                                                                                                                                                                        | m                          | 200  |      |        |
| <b>TOTAL CARRIED FORWARD</b>                                                                                                                                                                                      |                |                                                                                                                                                                                                                             |                            |      |      |        |

C2.2-11

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |          |                                                                                             | SECTION D                  |              |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------|----------------------------|--------------|------|--------|
|                                                                                                                                                                                                                   |          |                                                                                             | EARTHWORKS (PIPE TRENCHES) |              |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS | DESCRIPTION                                                                                 | UNIT                       | QTY          | RATE | AMOUNT |
| <b>TOTAL BROUGHT FORWARD</b>                                                                                                                                                                                      |          |                                                                                             |                            |              |      |        |
| D.3                                                                                                                                                                                                               | 8.3.5(a) | <b>EXISTING SERVICES</b>                                                                    |                            |              |      |        |
| D.3.1                                                                                                                                                                                                             |          | <b>Crossing and protecting services that intersect a trench</b>                             |                            |              |      |        |
| D.3.1.1                                                                                                                                                                                                           |          | Underground electrical cables                                                               | No.                        | 50           |      |        |
| D.3.1.2                                                                                                                                                                                                           |          | Overhead electrical cables                                                                  | No.                        | 50           |      |        |
| D.3.1.3                                                                                                                                                                                                           |          | Underground Telkom cables                                                                   | No.                        | 50           |      |        |
| D.3.1.4                                                                                                                                                                                                           |          | Overhead Telkom cables                                                                      | No.                        | 50           |      |        |
| D.3.1.5                                                                                                                                                                                                           |          | Water main not exceeding Ø 300mm                                                            | No.                        | 100          |      |        |
| D.3.1.6                                                                                                                                                                                                           |          | Water main exceeding Ø 300mm                                                                | No.                        | 50           |      |        |
| D.3.1.7                                                                                                                                                                                                           |          | Sewer main not exceeding Ø 300mm                                                            | No.                        | 100          |      |        |
| D.3.1.8                                                                                                                                                                                                           |          | Sewer main exceeding Ø 300mm                                                                | No.                        | 50           |      |        |
| D.3.1.9                                                                                                                                                                                                           |          | Stormwater pipe not exceeding Ø 600mm                                                       | No.                        | 10           |      |        |
| D.3.1.10                                                                                                                                                                                                          |          | Stormwater pipe exceeding Ø 600mm                                                           | No.                        | 10           |      |        |
| D.3.2                                                                                                                                                                                                             | 8.3.5(b) | <b>Working along and protecting services that adjoin a trench</b>                           |                            |              |      |        |
| D.3.2.1                                                                                                                                                                                                           |          | Underground electrical cables                                                               | m                          | 50           |      |        |
| D.3.2.2                                                                                                                                                                                                           |          | Overhead electrical pole                                                                    | m                          | 50           |      |        |
| D.3.2.3                                                                                                                                                                                                           |          | Underground Telkom cables                                                                   | m                          | 50           |      |        |
| D.3.2.4                                                                                                                                                                                                           |          | Overhead Telkom cables                                                                      | m                          | 50           |      |        |
| D.3.2.5                                                                                                                                                                                                           |          | Water main not exceeding Ø 300mm                                                            | m                          | 100          |      |        |
| D.3.2.6                                                                                                                                                                                                           |          | Water main exceeding Ø 300mm                                                                | m                          | 50           |      |        |
| D.3.2.7                                                                                                                                                                                                           |          | Sewer main not exceeding Ø 300mm                                                            | m                          | 100          |      |        |
| D.3.2.8                                                                                                                                                                                                           |          | Sewer main exceeding Ø 300mm                                                                | m                          | 50           |      |        |
| D.3.2.9                                                                                                                                                                                                           |          | Stormwater pipe not exceeding Ø 600mm                                                       | m                          | 100          |      |        |
| D.3.2.10                                                                                                                                                                                                          |          | Stormwater pipe exceeding Ø 600mm                                                           | m                          | 50           |      |        |
| D.4                                                                                                                                                                                                               |          | Crossing of Main Roads with water pipe line by means of Directional Drilling up to Ø 160 mm | Prov Sum                   | 1            |      |        |
| D.4.1                                                                                                                                                                                                             |          | Attendance and profit on Item D4                                                            | %                          | R 300 000.00 |      |        |
| D.5                                                                                                                                                                                                               |          | Removal and relaying of existing brick paving                                               | m²                         | 50           |      |        |
| D.6                                                                                                                                                                                                               |          | Removal and replacement of concrete paving                                                  | m²                         | 50           |      |        |
| D.7                                                                                                                                                                                                               |          | Remove and reinstate existing grass areas                                                   | m²                         | 50           |      |        |
| D.8                                                                                                                                                                                                               |          | Remove and reinstate existing gardens                                                       | m²                         | 50           |      |        |
| D.9                                                                                                                                                                                                               | 8.3.6    | <b>FINISHING</b>                                                                            |                            |              |      |        |
| D.9.1                                                                                                                                                                                                             | 8.3.6.1  | <b>Reinstate road surfaces complete with all layers</b>                                     |                            |              |      |        |
| D.9.1.1                                                                                                                                                                                                           |          | 150mm Thick G9 lower selected layer                                                         | m³                         | 250          |      |        |
| D.9.1.2                                                                                                                                                                                                           |          | 150mm Thick G7 upper selected layer                                                         | m³                         | 250          |      |        |
| <b>TOTAL CARRIED FORWARD</b>                                                                                                                                                                                      |          |                                                                                             |                            |              |      |        |

**C2.2-12**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |            |                                                   | SECTION D                 |      |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------|---------------------------|------|------|--------|
|                                                                                                                                                                                                                   |            |                                                   | EARTHWORKS (PIPE TRENCHES |      |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS   | DESCRIPTION                                       | UNIT                      | QTY  | RATE | AMOUNT |
| TOTAL BROUGHT FORWARD                                                                                                                                                                                             |            |                                                   |                           |      |      |        |
| D.9.1.3                                                                                                                                                                                                           | 8.3.6.1(d) | 150mm Thick G5 subbase course                     | m³                        | 250  |      |        |
| D.9.1.4                                                                                                                                                                                                           |            | 150mm Thick G4 base course                        | m³                        | 250  |      |        |
| D.9.1.5                                                                                                                                                                                                           |            | Asphalt 30 mm thick including prime and tack coat | m²                        | 50   |      |        |
| D.9.1.6                                                                                                                                                                                                           |            | 60mm thick (Existing pavers)                      | m²                        | 50   |      |        |
| D.9.1.7                                                                                                                                                                                                           |            | 60mm thick (Light grey, 25MPa interlocker pavers) | m²                        | 50   |      |        |
| D.9.1.8                                                                                                                                                                                                           |            | 25MPa Concrete, 150mm thick with mesh ref 193     | m²                        | 50   |      |        |
| D.9.1.9                                                                                                                                                                                                           |            | 13mm Stone, 100m thick layer                      | m²                        | 50   |      |        |
| D.9.2                                                                                                                                                                                                             |            | Extra-over DB 8.3.6.1 for imported material for:  |                           |      |      |        |
| D.9.2.1                                                                                                                                                                                                           |            | 150mm Thick G7 upper selected layer               | m³                        | 125  |      |        |
| D.9.2.2                                                                                                                                                                                                           |            | 150mm Thick G5 subbase course                     | m³                        | 125  |      |        |
| D.9.2.3                                                                                                                                                                                                           |            | 150mm Thick G4 base course                        | m³                        | 125  |      |        |
| D.9.2.4                                                                                                                                                                                                           |            | Asphalt 30 mm thick                               | m²                        | 25   |      |        |
| D.9.2.5                                                                                                                                                                                                           |            | 60mm pavers                                       | m²                        | 25   |      |        |
| D.9.2.6                                                                                                                                                                                                           |            | 25MPa Concrete, 150mm thick with mesh ref 193     | m²                        | 25   |      |        |
| D.9.2.7                                                                                                                                                                                                           |            | 13mm Stone, 100m thick layer                      | m²                        | 25   |      |        |
| D.9.3                                                                                                                                                                                                             |            | Cut Bitumen Layer                                 |                           |      |      |        |
| D.9.3.1                                                                                                                                                                                                           |            | 30mm Asphalt                                      | m                         | 1000 |      |        |
| D.9.4                                                                                                                                                                                                             |            | Trim, Shape And Compact Sidewalks                 | m²                        | 500  |      |        |
| TOTAL SECTION D CARRIED TO SUMMARY                                                                                                                                                                                |            |                                                   |                           |      |      |        |

C2.2-13

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |              |                                                                                                                               | SECTION E       |      |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------|------|------|--------|
|                                                                                                                                                                                                                   |              |                                                                                                                               | BEDDING (PIPES) |      |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS     | DESCRIPTION                                                                                                                   | UNIT            | QTY  | RATE | AMOUNT |
| E                                                                                                                                                                                                                 | SANS 1200 LB | SECTION E: BEDDING (PIPES)                                                                                                    |                 |      |      |        |
| E1                                                                                                                                                                                                                | 8.2.2.3      | Provision of bedding material compacted to 93% MDD (100% for sand) with material from commercial sources (including overhaul) |                 |      |      |        |
| E1.1                                                                                                                                                                                                              |              | Selected granular material                                                                                                    | m <sup>3</sup>  | 1000 |      |        |
| E1.2                                                                                                                                                                                                              |              | Selected fill material                                                                                                        | m <sup>3</sup>  | 1000 |      |        |
| E2                                                                                                                                                                                                                | 8.2.1        | Provision of bedding material compacted to 93% MDD (100% for sand) with material from trench excavations (including overhaul) |                 |      |      |        |
| E2.1                                                                                                                                                                                                              |              | Selected granular material                                                                                                    | m <sup>3</sup>  | 200  |      |        |
| E2.2                                                                                                                                                                                                              |              | Selected fill material                                                                                                        | m <sup>3</sup>  | 200  |      |        |
| E3                                                                                                                                                                                                                |              | 19mm Crushed stone                                                                                                            | m <sup>2</sup>  | 100  |      |        |
| E4                                                                                                                                                                                                                | PSLB8.2.7    | Bidim Geotextile                                                                                                              | m <sup>3</sup>  | 100  |      |        |
| E5                                                                                                                                                                                                                | PSLB8.2.6    | Extra over for items E1.2 to E2.2 for bedding, cradle and blanket stabilized with 3% cement.                                  | m <sup>3</sup>  | 50   |      |        |
| E6                                                                                                                                                                                                                |              | Encasing of pipes in concrete                                                                                                 |                 |      |      |        |
| E6.1                                                                                                                                                                                                              |              | 25 MPa/19 mm                                                                                                                  | m <sup>3</sup>  | 30   |      |        |
| TOTAL SECTION E CARRIED TO SUMMARY                                                                                                                                                                                |              |                                                                                                                               |                 |      |      |        |

C2.2-14

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |             |                                                                                                                                                                                                                   | SECTION F                 |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |             |                                                                                                                                                                                                                   | MEDIUM PRESSURE PIPELINES |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS    | DESCRIPTION                                                                                                                                                                                                       | UNIT                      | QTY | RATE | AMOUNT |
| F                                                                                                                                                                                                                 | SANS 1200 L | SECTION F: MEDIUM PRESSURE PIPELINES                                                                                                                                                                              |                           |     |      |        |
| F1                                                                                                                                                                                                                | 8.2.1       | Supply (include materials), lay and bed on Class B bedding according to SABS 1200 LB drawing LB-2, joint including cutting of pipes to length where required, testing and disinfecting. with necessary couplings. |                           |     |      |        |
| F1.1                                                                                                                                                                                                              |             | 63mm diameter uPVC Class 9                                                                                                                                                                                        | m                         | 100 |      |        |
| F1.2                                                                                                                                                                                                              |             | 63mm diameter uPVC Class 12                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.3                                                                                                                                                                                                              |             | 63mm diameter uPVC Class 16                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.4                                                                                                                                                                                                              |             | 75mm diameter uPVC Class 9                                                                                                                                                                                        | m                         | 100 |      |        |
| F1.5                                                                                                                                                                                                              |             | 75mm diameter uPVC Class 12                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.6                                                                                                                                                                                                              |             | 75mm diameter uPVC Class 16                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.7                                                                                                                                                                                                              |             | 90mm diameter uPVC Class 9                                                                                                                                                                                        | m                         | 100 |      |        |
| F1.8                                                                                                                                                                                                              |             | 90mm diameter uPVC Class 12                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.9                                                                                                                                                                                                              |             | 90mm diameter uPVC Class 16                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.10                                                                                                                                                                                                             |             | 110mm diameter uPVC Class 9                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.11                                                                                                                                                                                                             |             | 110mm diameter uPVC Class 12                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.12                                                                                                                                                                                                             |             | 110mm diameter uPVC Class 16                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.13                                                                                                                                                                                                             |             | 160mm diameter uPVC Class 9                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.14                                                                                                                                                                                                             |             | 160mm diameter uPVC Class 12                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.15                                                                                                                                                                                                             |             | 160mm diameter uPVC Class 16                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.16                                                                                                                                                                                                             |             | 200mm diameter uPVC Class 9                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.17                                                                                                                                                                                                             |             | 200mm diameter uPVC Class 12                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.18                                                                                                                                                                                                             |             | 200mm diameter uPVC Class 16                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.19                                                                                                                                                                                                             |             | 250mm diameter uPVC Class 9                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.20                                                                                                                                                                                                             |             | 250mm diameter uPVC Class 12                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.21                                                                                                                                                                                                             |             | 250mm diameter uPVC Class 16                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.22                                                                                                                                                                                                             |             | 315mm diameter uPVC Class 9                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.23                                                                                                                                                                                                             |             | 315mm diameter uPVC Class 12                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.24                                                                                                                                                                                                             |             | 315mm diameter uPVC Class 16                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.25                                                                                                                                                                                                             |             | 355mm diameter uPVC Class 9                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.26                                                                                                                                                                                                             |             | 355mm diameter uPVC Class 12                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.27                                                                                                                                                                                                             |             | 355mm diameter uPVC Class 16                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.28                                                                                                                                                                                                             |             | 400mm diameter uPVC Class 9                                                                                                                                                                                       | m                         | 100 |      |        |
| F1.29                                                                                                                                                                                                             |             | 400mm diameter uPVC Class 12                                                                                                                                                                                      | m                         | 100 |      |        |
| F1.30                                                                                                                                                                                                             |             | 400mm diameter uPVC Class 16                                                                                                                                                                                      | m                         | 100 |      |        |
| TOTAL CARRIED FORWARD                                                                                                                                                                                             |             |                                                                                                                                                                                                                   |                           |     |      |        |

C2.2-15

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |          |                                                                                                                                                                                                                                                                                                                   | SECTION F                 |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                                                                                                                   | MEDIUM PRESSURE PIPELINES |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS | DESCRIPTION                                                                                                                                                                                                                                                                                                       | UNIT                      | QTY | RATE | AMOUNT |
| TOTAL BROUGHT FORWARD                                                                                                                                                                                             |          |                                                                                                                                                                                                                                                                                                                   |                           |     |      |        |
| F2                                                                                                                                                                                                                | 8.2.2    | <b>SPECIALS AND FITTINGS:</b><br>Supply (include materials), lay and bed on Class B bedding according to SABS 1200 LB drawing LB-2, joint including cutting of pipe to length where required, testing and disinfecting, Extra- over item 8.2.1 above for specials and fittings complete with necessary roundings. |                           |     |      |        |
| F2.1                                                                                                                                                                                                              |          | <b>uPVC bends for uPVC pipes:</b>                                                                                                                                                                                                                                                                                 |                           |     |      |        |
| F2.1.1                                                                                                                                                                                                            |          | 63mm diameter uPVC Class 16 - 11.25°                                                                                                                                                                                                                                                                              | No.                       | 10  |      |        |
| F2.1.2                                                                                                                                                                                                            |          | 63mm diameter uPVC Class 16 - 22.5°                                                                                                                                                                                                                                                                               | No.                       | 10  |      |        |
| F2.1.3                                                                                                                                                                                                            |          | 63mm diameter uPVC Class 16 - 45°                                                                                                                                                                                                                                                                                 | No.                       | 10  |      |        |
| F2.1.4                                                                                                                                                                                                            |          | 63mm diameter uPVC Class 16 - 90°                                                                                                                                                                                                                                                                                 | No.                       | 10  |      |        |
| F2.1.5                                                                                                                                                                                                            |          | 75mm diameter uPVC Class 16 - 11.25°                                                                                                                                                                                                                                                                              | No.                       | 10  |      |        |
| F2.1.6                                                                                                                                                                                                            |          | 75mm diameter uPVC Class 16 - 22.5°                                                                                                                                                                                                                                                                               | No.                       | 10  |      |        |
| F2.1.7                                                                                                                                                                                                            |          | 75mm diameter uPVC Class 16 - 45°                                                                                                                                                                                                                                                                                 | No.                       | 10  |      |        |
| F2.1.8                                                                                                                                                                                                            |          | 75mm diameter uPVC Class 16 - 90°                                                                                                                                                                                                                                                                                 | No.                       | 10  |      |        |
| F2.1.9                                                                                                                                                                                                            |          | 90mm diameter uPVC Class 16 - 11.25°                                                                                                                                                                                                                                                                              | No.                       | 10  |      |        |
| F2.1.10                                                                                                                                                                                                           |          | 90mm diameter uPVC Class 16 - 22.5°                                                                                                                                                                                                                                                                               | No.                       | 10  |      |        |
| F2.1.11                                                                                                                                                                                                           |          | 90mm diameter uPVC Class 16 - 45°                                                                                                                                                                                                                                                                                 | No.                       | 10  |      |        |
| F2.1.12                                                                                                                                                                                                           |          | 90mm diameter uPVC Class 16 - 90°                                                                                                                                                                                                                                                                                 | No.                       | 10  |      |        |
| F2.1.13                                                                                                                                                                                                           |          | 110mm diameter uPVC Class 16 - 11.25°                                                                                                                                                                                                                                                                             | No.                       | 10  |      |        |
| F2.1.14                                                                                                                                                                                                           |          | 110mm diameter uPVC Class 16 - 22.5°                                                                                                                                                                                                                                                                              | No.                       | 10  |      |        |
| F2.1.15                                                                                                                                                                                                           |          | 110mm diameter uPVC Class 16 - 45°                                                                                                                                                                                                                                                                                | No.                       | 10  |      |        |
| F2.1.16                                                                                                                                                                                                           |          | 110mm diameter uPVC Class 16 - 90°                                                                                                                                                                                                                                                                                | No.                       | 10  |      |        |
| F2.1.17                                                                                                                                                                                                           |          | 160mm diameter uPVC Class 16 - 11.25°                                                                                                                                                                                                                                                                             | No.                       | 10  |      |        |
| F2.1.18                                                                                                                                                                                                           |          | 160mm diameter uPVC Class 16 - 22.5°                                                                                                                                                                                                                                                                              | No.                       | 10  |      |        |
| F2.1.19                                                                                                                                                                                                           |          | 160mm diameter uPVC Class 16 - 45°                                                                                                                                                                                                                                                                                | No.                       | 10  |      |        |
| F2.1.20                                                                                                                                                                                                           |          | 160mm diameter uPVC Class 16 - 90°                                                                                                                                                                                                                                                                                | No.                       | 10  |      |        |
| F2.1.21                                                                                                                                                                                                           |          | 200mm diameter uPVC Class 16 - 11.25°                                                                                                                                                                                                                                                                             | No.                       | 10  |      |        |
| F2.1.22                                                                                                                                                                                                           |          | 200mm diameter uPVC Class 16 - 22.5°                                                                                                                                                                                                                                                                              | No.                       | 10  |      |        |
| F2.1.23                                                                                                                                                                                                           |          | 200mm diameter uPVC Class 16 - 45°                                                                                                                                                                                                                                                                                | No.                       | 10  |      |        |
| F2.1.24                                                                                                                                                                                                           |          | 200mm diameter uPVC Class 16 - 90°                                                                                                                                                                                                                                                                                | No.                       | 10  |      |        |
| F2.1.25                                                                                                                                                                                                           |          | 250mm diameter uPVC Class 16 - 11.25°                                                                                                                                                                                                                                                                             | No.                       | 10  |      |        |
| F2.1.26                                                                                                                                                                                                           |          | 250mm diameter uPVC Class 16 - 22.5°                                                                                                                                                                                                                                                                              | No.                       | 10  |      |        |
| F2.1.27                                                                                                                                                                                                           |          | 250mm diameter uPVC Class 16 - 45°                                                                                                                                                                                                                                                                                | No.                       | 10  |      |        |
| F2.1.28                                                                                                                                                                                                           |          | 250mm diameter uPVC Class 16 - 90°                                                                                                                                                                                                                                                                                | No.                       | 10  |      |        |
| F2.1.29                                                                                                                                                                                                           |          | 315mm diameter uPVC Class 16 - 11.25°                                                                                                                                                                                                                                                                             | No.                       | 10  |      |        |
| TOTAL CARRIED FORWARD                                                                                                                                                                                             |          |                                                                                                                                                                                                                                                                                                                   |                           |     |      |        |

C2.2-16

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                                       |                                              | SECTION F                 |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------|---------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |                                       |                                              | MEDIUM PRESSURE PIPELINES |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS                              | DESCRIPTION                                  | UNIT                      | QTY | RATE | AMOUNT |
| TOTAL BROUGHT FORWARD                                                                                                                                                                                             |                                       |                                              |                           |     |      |        |
| F2.1.30                                                                                                                                                                                                           | 8.2.2                                 | 315mm diameter uPVC Class 16 - 22.5º         | No.                       | 10  |      |        |
| F2.1.31                                                                                                                                                                                                           |                                       | 315mm diameter uPVC Class 16 - 45º           | No.                       | 10  |      |        |
| F2.1.32                                                                                                                                                                                                           |                                       | 315mm diameter uPVC Class 16 - 90º           | No.                       | 10  |      |        |
| F2.1.33                                                                                                                                                                                                           |                                       | 355mm diameter uPVC Class 16 - 11.25º        | No.                       | 10  |      |        |
| F2.1.34                                                                                                                                                                                                           |                                       | 355mm diameter uPVC Class 16 - 22.5º         | No.                       | 10  |      |        |
| F2.1.35                                                                                                                                                                                                           |                                       | 355mm diameter uPVC Class 16 - 45º           | No.                       | 10  |      |        |
| F2.1.36                                                                                                                                                                                                           |                                       | 355mm diameter uPVC Class 16 - 90º           | No.                       | 10  |      |        |
| F2.1.37                                                                                                                                                                                                           |                                       | 400mm diameter uPVC Class 16 - 11.25º        | No.                       | 10  |      |        |
| F2.1.38                                                                                                                                                                                                           |                                       | 400mm diameter uPVC Class 16 - 22.5º         | No.                       | 10  |      |        |
| F2.1.39                                                                                                                                                                                                           |                                       | 400mm diameter uPVC Class 16 - 45º           | No.                       | 10  |      |        |
| F2.1.40                                                                                                                                                                                                           |                                       | 400mm diameter uPVC Class 16 - 90º           | No.                       | 10  |      |        |
| F2.2                                                                                                                                                                                                              |                                       | <b>Cast Iron Unequal T-pieces (Class 16)</b> |                           |     |      |        |
| F2.2.1                                                                                                                                                                                                            |                                       | 75mm x 63mm diameter for uPVC Pipes          | No                        | 10  |      |        |
| F2.2.2                                                                                                                                                                                                            |                                       | 90mm x 63mm diameter for uPVC Pipes          | No                        | 10  |      |        |
| F2.2.3                                                                                                                                                                                                            |                                       | 90mm x 75mm diameter for uPVC Pipes          | No                        | 10  |      |        |
| F2.2.4                                                                                                                                                                                                            |                                       | 110mm x 63mm diameter for uPVC Pipes         | No                        | 10  |      |        |
| F2.2.5                                                                                                                                                                                                            |                                       | 110mm x 75mm diameter for uPVC Pipes         | No                        | 10  |      |        |
| F2.2.6                                                                                                                                                                                                            |                                       | 110mm x 90mm diameter for uPVC Pipes         | No                        | 10  |      |        |
| F2.2.7                                                                                                                                                                                                            |                                       | 160mm x 63mm diameter for uPVC Pipes         | No                        | 10  |      |        |
| F2.2.8                                                                                                                                                                                                            |                                       | 160mm x 75mm diameter for uPVC Pipes         | No                        | 10  |      |        |
| F2.2.9                                                                                                                                                                                                            |                                       | 160mm x 90mm diameter for uPVC Pipes         | No                        | 10  |      |        |
| F2.2.10                                                                                                                                                                                                           |                                       | 160mm x 110mm diameter for uPVC Pipes        | No                        | 10  |      |        |
| F2.2.11                                                                                                                                                                                                           |                                       | 200mm x 75mm diameter for uPVC Pipes         | No                        | 10  |      |        |
| F2.2.12                                                                                                                                                                                                           |                                       | 200mm x 90mm diameter for uPVC Pipes         | No                        | 10  |      |        |
| F2.2.13                                                                                                                                                                                                           | 200mm x 110mm diameter for uPVC Pipes | No                                           | 10                        |     |      |        |
| F2.2.14                                                                                                                                                                                                           | 200mm x 160mm diameter for uPVC Pipes | No                                           | 10                        |     |      |        |
| F2.2.15                                                                                                                                                                                                           | 250mm x 90mm diameter for uPVC Pipes  | No                                           | 10                        |     |      |        |
| F2.2.16                                                                                                                                                                                                           | 250mm x 110mm diameter for uPVC Pipes | No                                           | 10                        |     |      |        |
| F2.2.17                                                                                                                                                                                                           | 250mm x 160mm diameter for uPVC Pipes | No                                           | 10                        |     |      |        |
| F2.2.18                                                                                                                                                                                                           | 250mm x 200mm diameter for uPVC Pipes | No                                           | 10                        |     |      |        |
| F2.2.19                                                                                                                                                                                                           | 315mm x 110mm diameter for uPVC Pipes | No                                           | 10                        |     |      |        |
| F2.2.20                                                                                                                                                                                                           | 315mm x 160mm diameter for uPVC Pipes | No                                           | 10                        |     |      |        |
| F2.2.21                                                                                                                                                                                                           | 315mm x 200mm diameter for uPVC Pipes | No                                           | 10                        |     |      |        |
| F2.2.22                                                                                                                                                                                                           | 315mm x 250mm diameter for uPVC Pipes | No                                           | 10                        |     |      |        |
| TOTAL CARRIED FORWARD                                                                                                                                                                                             |                                       |                                              |                           |     |      |        |

C2.2-17

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                                        |                                       | SECTION F                 |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------|---------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |                                        |                                       | MEDIUM PRESSURE PIPELINES |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS                               | DESCRIPTION                           | UNIT                      | QTY | RATE | AMOUNT |
| TOTAL BROUGHT FORWARD                                                                                                                                                                                             |                                        |                                       |                           |     |      |        |
| F2.2.23                                                                                                                                                                                                           | 8.2.2                                  | 355mm x 160mm diameter for uPVC Pipes | No                        | 10  |      |        |
| F2.2.24                                                                                                                                                                                                           |                                        | 355mm x 200mm diameter for uPVC Pipes | No                        | 10  |      |        |
| F2.2.25                                                                                                                                                                                                           |                                        | 355mm x 250mm diameter for uPVC Pipes | No                        | 10  |      |        |
| F2.2.26                                                                                                                                                                                                           |                                        | 355mm x 315mm diameter for uPVC Pipes | No                        | 10  |      |        |
| F2.2.27                                                                                                                                                                                                           |                                        | 400mm x 200mm diameter for uPVC Pipes | No                        | 10  |      |        |
| F2.2.28                                                                                                                                                                                                           |                                        | 400mm x 250mm diameter for uPVC Pipes | No                        | 10  |      |        |
| F2.2.29                                                                                                                                                                                                           |                                        | 400mm x 315mm diameter for uPVC Pipes | No                        | 10  |      |        |
| F2.2.30                                                                                                                                                                                                           |                                        | 400mm x 355mm diameter for uPVC Pipes | No                        | 10  |      |        |
| F2.3                                                                                                                                                                                                              |                                        | <b>Cast Iron T-pieces (Class 16)</b>  |                           |     |      |        |
| F2.3.1                                                                                                                                                                                                            |                                        | 63mm x 63mm diameter for uPVC Pipes   | No                        | 10  |      |        |
| F2.3.2                                                                                                                                                                                                            | 8.2.2                                  | 75mm x 75mm diameter uPVC Pipes       | No                        | 10  |      |        |
| F2.3.3                                                                                                                                                                                                            |                                        | 90mm x 90mm diameter uPVC Pipes       | No                        | 10  |      |        |
| F2.3.4                                                                                                                                                                                                            |                                        | 110mm x 110mm diameter uPVC Pipes     | No                        | 10  |      |        |
| F2.3.5                                                                                                                                                                                                            |                                        | 160mm x 160mm diameter uPVC Pipes     | No                        | 10  |      |        |
| F2.3.6                                                                                                                                                                                                            |                                        | 200mm x 200mm diameter uPVC Pipes     | No                        | 10  |      |        |
| F2.3.7                                                                                                                                                                                                            |                                        | 250mm x 250mm diameter uPVC Pipes     | No                        | 10  |      |        |
| F2.3.8                                                                                                                                                                                                            |                                        | 315mm x 315mm diameter uPVC Pipes     | No                        | 10  |      |        |
| F2.3.9                                                                                                                                                                                                            |                                        | 355mm x 355mm diameter uPVC Pipes     | No                        | 10  |      |        |
| F2.3.10                                                                                                                                                                                                           |                                        | 400mm x 400mm diameter uPVC Pipes     | No                        | 10  |      |        |
| F2.4                                                                                                                                                                                                              |                                        | <b>Cast Iron Reducers (Class 16)</b>  |                           |     |      |        |
| F2.4.1                                                                                                                                                                                                            |                                        | 75mm to 63mm diameter for uPVC Pipes  | No                        | 10  |      |        |
| F2.4.2                                                                                                                                                                                                            |                                        | 90mm to 63mm diameter for uPVC Pipes  | No                        | 10  |      |        |
| F2.4.3                                                                                                                                                                                                            |                                        | 90mm to 75mm diameter for uPVC Pipes  | No                        | 10  |      |        |
| F2.4.4                                                                                                                                                                                                            |                                        | 110mm to 63mm diameter for uPVC Pipes | No                        | 10  |      |        |
| F2.4.5                                                                                                                                                                                                            |                                        | 110mm to 75mm diameter for uPVC Pipes | No                        | 10  |      |        |
| F2.4.6                                                                                                                                                                                                            | 110mm to 90mm diameter for uPVC Pipes  | No                                    | 10                        |     |      |        |
| F2.4.7                                                                                                                                                                                                            | 160mm to 90mm diameter for uPVC Pipes  | No                                    | 10                        |     |      |        |
| F2.4.8                                                                                                                                                                                                            | 160mm to 110mm diameter for uPVC Pipes | No                                    | 10                        |     |      |        |
| F2.4.9                                                                                                                                                                                                            | 200mm to 110mm diameter for uPVC Pipes | No                                    | 10                        |     |      |        |
| F2.4.10                                                                                                                                                                                                           | 200mm to 160mm diameter for uPVC Pipes | No                                    | 10                        |     |      |        |
| F2.4.11                                                                                                                                                                                                           | 250mm to 160mm diameter for uPVC Pipes | No                                    | 10                        |     |      |        |
| F2.4.12                                                                                                                                                                                                           | 250mm to 200mm diameter for uPVC Pipes | No                                    | 10                        |     |      |        |
| F2.4.13                                                                                                                                                                                                           | 315mm to 200mm diameter for uPVC Pipes | No                                    | 10                        |     |      |        |
| F2.4.14                                                                                                                                                                                                           | 315mm to 250mm diameter for uPVC Pipes | No                                    | 10                        |     |      |        |
| F2.4.15                                                                                                                                                                                                           | 315mm to 250mm diameter for uPVC Pipes | No                                    | 10                        |     |      |        |
| TOTAL CARRIED FORWARD                                                                                                                                                                                             |                                        |                                       |                           |     |      |        |

**C2.2-18**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                |                                                            | SECTION F                 |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------|---------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |                |                                                            | MEDIUM PRESSURE PIPELINES |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS       | DESCRIPTION                                                | UNIT                      | QTY | RATE | AMOUNT |
| TOTAL BROUGHT FORWARD                                                                                                                                                                                             |                |                                                            |                           |     |      |        |
| F2.4.16                                                                                                                                                                                                           | 8.2.2          | 355mm to 200mm diameter for uPVC Pipes                     | No                        | 10  |      |        |
| F2.4.17                                                                                                                                                                                                           |                | 355mm to 250mm diameter for uPVC Pipes                     | No                        | 10  |      |        |
| F2.4.18                                                                                                                                                                                                           |                | 355mm to 315mm diameter for uPVC Pipes                     | No                        | 10  |      |        |
| F2.4.19                                                                                                                                                                                                           |                | 400mm to 200mm diameter for uPVC Pipes                     | No                        | 10  |      |        |
| F2.4.20                                                                                                                                                                                                           |                | 400mm to 250mm diameter for uPVC Pipes                     | No                        | 10  |      |        |
| F2.4.21                                                                                                                                                                                                           |                | 400mm to 315mm diameter for uPVC Pipes                     | No                        | 10  |      |        |
| F2.4.22                                                                                                                                                                                                           |                | 400mm to 355mm diameter for uPVC Pipes                     | No                        | 10  |      |        |
| F2.5                                                                                                                                                                                                              |                | <b>Cast Iron End Caps for uPVC Pipes (Class 16)</b>        |                           |     |      |        |
| F2.5.1                                                                                                                                                                                                            |                | 63mm diameter                                              | No.                       | 10  |      |        |
| F2.5.2                                                                                                                                                                                                            |                | 75mm diameter                                              | No.                       | 10  |      |        |
| F2.5.3                                                                                                                                                                                                            |                | 90mm diameter                                              | No.                       | 10  |      |        |
| F2.5.4                                                                                                                                                                                                            | 110mm diameter | No.                                                        | 10                        |     |      |        |
| F2.5.5                                                                                                                                                                                                            | 160mm diameter | No.                                                        | 10                        |     |      |        |
| F2.5.6                                                                                                                                                                                                            | 200mm diameter | No.                                                        | 10                        |     |      |        |
| F2.5.7                                                                                                                                                                                                            | 250mm diameter | No.                                                        | 10                        |     |      |        |
| F2.5.8                                                                                                                                                                                                            | 315mm diameter | No.                                                        | 10                        |     |      |        |
| F2.5.9                                                                                                                                                                                                            | 355mm diameter | No.                                                        | 10                        |     |      |        |
| F2.5.10                                                                                                                                                                                                           | 400mm diameter | No.                                                        | 10                        |     |      |        |
| F2.6                                                                                                                                                                                                              | 8.2.2          | <b>Cast Iron Flange Adaptors for uPVC Pipes (Class 16)</b> |                           |     |      |        |
| F2.6.1                                                                                                                                                                                                            |                | 63mm diameter                                              | No.                       | 10  |      |        |
| F2.6.2                                                                                                                                                                                                            |                | 75mm diameter                                              | No.                       | 10  |      |        |
| F2.6.3                                                                                                                                                                                                            |                | 90mm diameter                                              | No.                       | 10  |      |        |
| F2.6.4                                                                                                                                                                                                            |                | 110mm diameter                                             | No.                       | 10  |      |        |
| F2.6.5                                                                                                                                                                                                            |                | 160mm diameter                                             | No.                       | 10  |      |        |
| F2.6.6                                                                                                                                                                                                            |                | 200mm diameter                                             | No.                       | 10  |      |        |
| F2.6.7                                                                                                                                                                                                            |                | 250mm diameter                                             | No.                       | 10  |      |        |
| F2.6.8                                                                                                                                                                                                            |                | 315mm diameter                                             | No.                       | 10  |      |        |
| F2.6.9                                                                                                                                                                                                            |                | 355mm diameter                                             | No.                       | 10  |      |        |
| F2.6.10                                                                                                                                                                                                           |                | 400mm diameter                                             | No.                       | 10  |      |        |
| F2.7                                                                                                                                                                                                              | 8.2.2          | <b>Couplings and Joints</b>                                |                           |     |      |        |
| F2.7.1                                                                                                                                                                                                            |                | Flexible / dresser coupling 63 mm to 110 mm                | No.                       | 20  |      |        |
| F2.7.2                                                                                                                                                                                                            |                | Flexible / dresser coupling 160 mm to 250 mm               | No.                       | 20  |      |        |
| F2.7.3                                                                                                                                                                                                            |                | Flexible / dresser coupling 300 mm to 450 mm               | No.                       | 20  |      |        |
| F2.7.4                                                                                                                                                                                                            |                | Dismantling joint 80 mm to 150 mm                          | No.                       | 20  |      |        |
| TOTAL CARRIED FORWARD                                                                                                                                                                                             |                |                                                            |                           |     |      |        |

C2.2-19

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |          |                                                                                                                                                                                                                         | SECTION F                 |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                         | MEDIUM PRESSURE PIPELINES |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS | DESCRIPTION                                                                                                                                                                                                             | UNIT                      | QTY | RATE | AMOUNT |
| TOTAL BROUGHT FORWARD                                                                                                                                                                                             |          |                                                                                                                                                                                                                         |                           |     |      |        |
| F2.7.5                                                                                                                                                                                                            | 8.2.3    | Dismantling joint 200 mm to 300 mm                                                                                                                                                                                      | No.                       | 20  |      |        |
| F3                                                                                                                                                                                                                |          | Valves<br>Extra over 8.2.1 for supply (include materials) and install on concrete support, joint, include cutting of pipes where necessary and testing, complete with fittings, pipe work and couplings where necessary |                           |     |      |        |
| F3.1                                                                                                                                                                                                              |          | AVK Socketed RS Gate Valves including all couplings for GMS, epoxy coated, flanged both ends to table 1600/3 on the following pipe diameter:                                                                            |                           |     |      |        |
| F3.1.1                                                                                                                                                                                                            |          | 63mm diameter                                                                                                                                                                                                           | No.                       | 10  |      |        |
| F3.1.2                                                                                                                                                                                                            |          | 75mm diameter                                                                                                                                                                                                           | No.                       | 10  |      |        |
| F3.1.3                                                                                                                                                                                                            |          | 90mm diameter                                                                                                                                                                                                           | No.                       | 10  |      |        |
| F3.1.4                                                                                                                                                                                                            |          | 110mm diameter                                                                                                                                                                                                          | No.                       | 20  |      |        |
| F3.1.5                                                                                                                                                                                                            |          | 160mm diameter                                                                                                                                                                                                          | No.                       | 20  |      |        |
| F3.1.6                                                                                                                                                                                                            |          | 200mm diameter                                                                                                                                                                                                          | No.                       | 20  |      |        |
| F3.1.7                                                                                                                                                                                                            |          | 250mm diameter                                                                                                                                                                                                          | No.                       | 20  |      |        |
| F3.1.8                                                                                                                                                                                                            | 8.2.3    | 315mm diameter                                                                                                                                                                                                          | No.                       | 5   |      |        |
| F3.1.9                                                                                                                                                                                                            |          | 355mm diameter                                                                                                                                                                                                          | No.                       | 5   |      |        |
| F3.1.10                                                                                                                                                                                                           |          | 400mm diameter                                                                                                                                                                                                          | No.                       | 5   |      |        |
| F3.2                                                                                                                                                                                                              |          | Fire Hydrants                                                                                                                                                                                                           |                           |     |      |        |
| F3.2.1                                                                                                                                                                                                            |          | AVK London Round Tread Fire hydrant complete with T-pieces and extensions on uPVC pipes as per detail drawings issued                                                                                                   |                           |     |      |        |
| F3.2.1.1                                                                                                                                                                                                          |          | Installed on 63mm diameter pipe                                                                                                                                                                                         | No.                       | 20  |      |        |
| F3.2.1.2                                                                                                                                                                                                          |          | Installed on 75mm diameter pipe                                                                                                                                                                                         | No.                       | 20  |      |        |
| F3.2.1.3                                                                                                                                                                                                          |          | Installed on 90mm diameter pipe                                                                                                                                                                                         | No.                       | 20  |      |        |
| F3.2.1.4                                                                                                                                                                                                          |          | Installed on 110mm diameter pipe                                                                                                                                                                                        | No.                       | 20  |      |        |
| F3.2.1.5                                                                                                                                                                                                          |          | Installed on 160mm diameter pipe                                                                                                                                                                                        | No.                       | 20  |      |        |
| F3.2.1.6                                                                                                                                                                                                          | 8.2.3    | Installed on 200mm diameter pipe                                                                                                                                                                                        | No.                       | 20  |      |        |
| F3.2.1.7                                                                                                                                                                                                          |          | Installed on 250mm diameter pipe                                                                                                                                                                                        | No.                       | 20  |      |        |
| F3.2.1.8                                                                                                                                                                                                          |          | Installed on 315mm diameter pipe                                                                                                                                                                                        | No.                       | 20  |      |        |
| F3.2.1.9                                                                                                                                                                                                          |          | Installed on 355mm diameter pipe                                                                                                                                                                                        | No.                       | 20  |      |        |
| F3.2.1.10                                                                                                                                                                                                         |          | Installed on 400mm diameter pipe                                                                                                                                                                                        | No.                       | 20  |      |        |
| F3.2.2                                                                                                                                                                                                            |          | Butterfly Valve                                                                                                                                                                                                         |                           |     |      |        |
| F3.2.2.1                                                                                                                                                                                                          |          | 250mm diameter                                                                                                                                                                                                          | No.                       | 5   |      |        |
| F3.2.2.2                                                                                                                                                                                                          |          | 315mm diameter                                                                                                                                                                                                          | No.                       | 5   |      |        |
| F3.2.2.3                                                                                                                                                                                                          |          | 355mm diameter                                                                                                                                                                                                          | No.                       | 5   |      |        |
| F3.2.2.4                                                                                                                                                                                                          |          | 400mm diameter                                                                                                                                                                                                          | No.                       | 5   |      |        |
| TOTAL CARRIED FORWARD                                                                                                                                                                                             |          |                                                                                                                                                                                                                         |                           |     |      |        |

C2.2-20

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |          |                                                                                                                                                         | SECTION F                 |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |          |                                                                                                                                                         | MEDIUM PRESSURE PIPELINES |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS | DESCRIPTION                                                                                                                                             | UNIT                      | QTY | RATE | AMOUNT |
| <b>TOTAL BROUGHT FORWARD</b>                                                                                                                                                                                      |          |                                                                                                                                                         |                           |     |      |        |
| F3.2.3                                                                                                                                                                                                            | 8.2.3    | <b>Air-Valves</b>                                                                                                                                       |                           |     |      |        |
| F3.2.3.1                                                                                                                                                                                                          |          | DN Ø 160mm PVC-O to DN Ø 176mm Cast Iron Mechanical Coupling                                                                                            | No.                       | 3   |      |        |
| F3.2.3.2                                                                                                                                                                                                          |          | DN Ø 200mm PVC-O to DN Ø 220mm Cast Iron Mechanical Coupling                                                                                            | No.                       | 3   |      |        |
| F3.2.3.3                                                                                                                                                                                                          |          | DN Ø 250mm PVC-O to DN Ø 250mm Cast Iron Mechanical Coupling                                                                                            | No.                       | 3   |      |        |
| F3.2.3.4                                                                                                                                                                                                          |          | DN Ø 315mm PVC-O to DN Ø 300mm Cast Iron Mechanical Coupling                                                                                            | No.                       | 3   |      |        |
| F3.2.3.5                                                                                                                                                                                                          |          | DN Ø 355mm PVC-O to DN Ø 350mm Cast Iron Mechanical Coupling                                                                                            | No.                       | 3   |      |        |
| F3.2.3.6                                                                                                                                                                                                          |          | DN Ø 400mm PVC-O to DN Ø 400mm Cast Iron Mechanical Coupling                                                                                            | No.                       | 3   |      |        |
| F3.2.3.7                                                                                                                                                                                                          |          | DN Ø 160mm x 360mm x 6 mm Wall Thickness Welded Air Collection Chamber                                                                                  | No.                       | 3   |      |        |
| F3.2.3.8                                                                                                                                                                                                          |          | DN Ø 200mm x 420mm x 6 mm Wall Thickness Welded Air Collection Chamber                                                                                  | No.                       | 3   |      |        |
| F3.2.3.9                                                                                                                                                                                                          |          | DN Ø 315mm x 420mm x 8 mm Wall Thickness Welded Air Collection Chamber                                                                                  | No.                       | 3   |      |        |
| F3.2.3.10                                                                                                                                                                                                         |          | DN Ø 355mm x 450mm x 8.5 mm Wall Thickness Welded Air Collection Chamber                                                                                | No.                       | 3   |      |        |
| F3.2.3.11                                                                                                                                                                                                         |          | DN Ø 400mm x 500mm x 9.5 mm Wall Thickness Welded Air Collection Chamber                                                                                | No.                       | 3   |      |        |
| F3.2.3.12                                                                                                                                                                                                         |          | DN Ø 80mm Pipe x 200mm Long Double Flange with Flange to Suite Ø 80mm pipe one end and Flanged to Suit Ø 350mm pipe on the Other end                    | No.                       | 18  |      |        |
| F3.2.3.13                                                                                                                                                                                                         |          | DN Ø 80mm Wedge Gate Valve with Rising Spindle Flanged Both Ends to SANS 1123 Table 2500/3 (R/F)                                                        | No.                       | 18  |      |        |
| F3.2.3.14                                                                                                                                                                                                         |          | DN Ø 50mm Combination Air-valve for High Flow Non-Slam double acting air valve class 16 ARI D-020 or similar approved suitable for final sewer effluent | No.                       | 18  |      |        |
| F3.2.4                                                                                                                                                                                                            | 8.2.3    | <b>Scour Valves</b>                                                                                                                                     |                           |     |      |        |
| F3.2.4.1                                                                                                                                                                                                          |          | Ø 200mm Mechanical Coupling Adaptor Flanged to one end to SANS 1123 Table 2500/3 (R/F)                                                                  | No.                       | 4   |      |        |
| F3.2.4.2                                                                                                                                                                                                          |          | DN Ø 200mm x DN Ø 80mm Special Reducing Tee                                                                                                             | No.                       | 2   |      |        |
| F3.2.4.3                                                                                                                                                                                                          |          | Ø 250mm Mechanical Coupling Adaptor Flanged to one end to SANS 1123 Table 2500/3 (R/F)                                                                  | No.                       | 4   |      |        |
| F3.2.4.4                                                                                                                                                                                                          |          | DN Ø 250mm x DN Ø 80mm Special Reducing Tee                                                                                                             | No.                       | 2   |      |        |
| F3.2.4.5                                                                                                                                                                                                          |          | Ø 315mm Mechanical Coupling Adaptor Flanged to one end to SANS 1123 Table 2500/3 (R/F)                                                                  | No.                       | 4   |      |        |
| F3.2.4.6                                                                                                                                                                                                          |          | DN Ø 315mm x DN Ø 80mm Special Reducing Tee                                                                                                             | No.                       | 2   |      |        |
| F3.2.4.7                                                                                                                                                                                                          |          | Ø 355mm Mechanical Coupling Adaptor Flanged to one end to SANS 1123 Table 2500/3 (R/F)                                                                  | No.                       | 4   |      |        |
| F3.2.4.8                                                                                                                                                                                                          |          | DN Ø 355mm x DN Ø 80mm Special Reducing Tee                                                                                                             | No.                       | 2   |      |        |
| <b>TOTAL CARRIED FORWARD</b>                                                                                                                                                                                      |          |                                                                                                                                                         |                           |     |      |        |

**C2.2-21**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                                                                                                                                                                                                                                                                         |                                                                                                                                                    | SECTION F                                |     |      |        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|------|--------|--|
|                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                         |                                                                                                                                                    | MEDIUM PRESSURE PIPELINES                |     |      |        |  |
| ITEM                                                                                                                                                                                                              | PAY REFS                                                                                                                                                                                                                                                                | DESCRIPTION                                                                                                                                        | UNIT                                     | QTY | RATE | AMOUNT |  |
| TOTAL BROUGHT FORWARD                                                                                                                                                                                             |                                                                                                                                                                                                                                                                         |                                                                                                                                                    |                                          |     |      |        |  |
| F3.2.4.9                                                                                                                                                                                                          | 8.2.3                                                                                                                                                                                                                                                                   | Ø 400mm Mechanical Coupling Adaptor Flanged to one end to SANS 1123 Table 2500/3 (R/F)                                                             | No.                                      | 4   |      |        |  |
| F3.2.4.10                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | DN Ø 400mm x DN Ø 80mm Special Reducing Tee                                                                                                        | No.                                      | 2   |      |        |  |
| F3.2.4.11                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | DN Ø80mm x 3.9mm Pipe Spool SANS 62 Medium Duty Plain Ended                                                                                        | No.                                      | 10  |      |        |  |
| F3.2.4.12                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | DN Ø80mm Segmented Bend Plain Ended                                                                                                                | No.                                      | 10  |      |        |  |
| F3.2.4.13                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | DN Ø80mm x 3.9mm Pipe Spool SANS 62 Medium Duty Flanged to One End to SANS 1123 Table 2500/3 (R/F) with Puddle Flange                              | No.                                      | 10  |      |        |  |
| F3.2.4.14                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | DN Ø80mm Wedge Gate Valve with Rising Spindle Flanged Both Ends to SANS 1123 Table 2500/3 (R/F)                                                    | No.                                      | 10  |      |        |  |
| F3.2.4.15                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | DN Ø80mm Restrained Dismantling joint Flanged to both end to SANS 1123 Table 2500/3                                                                | No.                                      | 10  |      |        |  |
| F3.2.4.16                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | DN Ø80mm x 3.9mm Pipe Spool SANS 62 Medium Duty Flanged Both Ends to SANS 1123 Table 2500/3 (R/F) with Steek Pipe Support Approximate Length 800mm | No.                                      | 10  |      |        |  |
| F3.2.4.17                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | DN Ø 80mm Orifice Plate for Orifice Detail                                                                                                         | No.                                      | 10  |      |        |  |
| F3.2.4.18                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | DN Ø80mm x 3.9mm Pipe Spool SANS 62 Medium Duty Flanged Both Ends to SANS 1123 Table 2500/3 (R/F) with Puddle Flange Approximate Length 1000mm     | No.                                      | 10  |      |        |  |
| F3.2.4.19                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | DN Ø80mm x DN Ø50mm Concentric Reducer Flanged One End to SANS 1123 Table 2500/3 (R/F)                                                             | No.                                      | 10  |      |        |  |
| F3.2.4.20                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         | Mild steel orifice plate assembly complete with carrier ring, flanges, gaskets and bolts, tested                                                   | No.                                      | 10  |      |        |  |
| F3.2.5                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                         | <b>Altitude / level control valve, Bermad or similar approved type, complete with pilot set and isolating valves for the following diameters</b>   |                                          |     |      |        |  |
| F3.2.5.1                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                         | 250mm diameter                                                                                                                                     | No.                                      | 1   |      |        |  |
| F3.2.5.2                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                         | 315mm diameter                                                                                                                                     | No.                                      | 1   |      |        |  |
| F3.2.5.3                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                         | 355mm diameter                                                                                                                                     | No.                                      | 1   |      |        |  |
| F3.2.5.4                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                         | 400mm diameter                                                                                                                                     | No.                                      | 1   |      |        |  |
| F4                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                         | 8.2.2                                                                                                                                              | <b>OTHER PIPE MATERIALS</b>              |     |      |        |  |
| F4.1                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                         |                                                                                                                                                    | 110 mm dia HDPE PE100 PN16 pipe complete | m   | 10   |        |  |
| F4.2                                                                                                                                                                                                              | 160 mm dia HDPE PE100 PN16 pipe complete                                                                                                                                                                                                                                |                                                                                                                                                    | m                                        | 10  |      |        |  |
| F4.3                                                                                                                                                                                                              | 150 mm dia DI K9 pipe complete                                                                                                                                                                                                                                          |                                                                                                                                                    | m                                        | 10  |      |        |  |
| F4.4                                                                                                                                                                                                              | <b>Supply and install fabricated steel pipe replacement complete with 250 micron Copon 891 internal coated and Copon 134 75 micron exterior coated flanged steel pipes to SANS 1123 Table 1600/3 including all elbows, bends, pipe clamps, testing and disinfection</b> |                                                                                                                                                    |                                          |     |      |        |  |
| F4.4.1                                                                                                                                                                                                            | DN 200 Steel Pipe                                                                                                                                                                                                                                                       |                                                                                                                                                    | m                                        | 18  |      |        |  |
| F4.4.2                                                                                                                                                                                                            | DN 250 Steel Pipe                                                                                                                                                                                                                                                       | m                                                                                                                                                  | 18                                       |     |      |        |  |
| TOTAL CARRIED FORWARD                                                                                                                                                                                             |                                                                                                                                                                                                                                                                         |                                                                                                                                                    |                                          |     |      |        |  |

# C2.2-22

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |              |                                                                                                                                                                        | SECTION F                 |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |              |                                                                                                                                                                        | MEDIUM PRESSURE PIPELINES |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS     | DESCRIPTION                                                                                                                                                            | UNIT                      | QTY | RATE | AMOUNT |
| <b>TOTAL BROUGHT FORWARD</b>                                                                                                                                                                                      |              |                                                                                                                                                                        |                           |     |      |        |
| F4.4.3                                                                                                                                                                                                            |              | DN 300 Steel Pipe                                                                                                                                                      | m                         | 18  |      |        |
| F4.4.4                                                                                                                                                                                                            |              | DN 350 Steel Pipe                                                                                                                                                      | m                         | 18  |      |        |
| F4.4.5                                                                                                                                                                                                            |              | DN 400 Steel Pipe                                                                                                                                                      | m                         | 18  |      |        |
| F5                                                                                                                                                                                                                |              | <b>ANCILLARIES</b>                                                                                                                                                     |                           |     |      |        |
| F5.1                                                                                                                                                                                                              | 8.2.5        | Supplying And Fixing Of Pipes                                                                                                                                          | No.                       | 10  |      |        |
| F5.2                                                                                                                                                                                                              | 8.2.10       | Temporary valves, etc.                                                                                                                                                 | No.                       | 10  |      |        |
| F5.3                                                                                                                                                                                                              | PSL8.2.11    | Anchor/thrust blocks, transverse anchor blocks and vertical anchor blocks as per detail drawings issued                                                                | m³                        | 80  |      |        |
| F5.4                                                                                                                                                                                                              | 8.2.12       | Concrete encasing of pipes with grade 15/19 Mpa concrete, complete                                                                                                     | m³                        | 25  |      |        |
| F6                                                                                                                                                                                                                | 8.2.13       | <b>VALVE CHAMBERS AND MANHOLES</b>                                                                                                                                     |                           |     |      |        |
| F6.1                                                                                                                                                                                                              |              | Gate valve chambers complete as shown on detail drawings issued, for a depth of up to 1.5m.                                                                            | No.                       | 20  |      |        |
| F6.2                                                                                                                                                                                                              |              | Fire hydrant chambers complete as shown on detail drawings issued                                                                                                      | No.                       | 20  |      |        |
| F7                                                                                                                                                                                                                |              | <b>SUNDRIES</b>                                                                                                                                                        |                           |     |      |        |
| F7.1                                                                                                                                                                                                              | PSL 8.2.16   | <b>Connect to existing AC or uPVC Pipes, include materials, cutting of pipe to length where required, testing and disinfecting, complete with necessary couplings:</b> |                           |     |      |        |
| F7.1.1                                                                                                                                                                                                            |              | 63mm diameter uPVC                                                                                                                                                     | No                        | 10  |      |        |
| F7.1.2                                                                                                                                                                                                            |              | 75mm diameter uPVC                                                                                                                                                     | No                        | 10  |      |        |
| F7.1.3                                                                                                                                                                                                            |              | 90mm diameter uPVC                                                                                                                                                     | No                        | 10  |      |        |
| F7.1.4                                                                                                                                                                                                            |              | 110mm diameter uPVC                                                                                                                                                    | No                        | 10  |      |        |
| F7.1.5                                                                                                                                                                                                            |              | 160mm diameter uPVC                                                                                                                                                    | No                        | 10  |      |        |
| F7.1.6                                                                                                                                                                                                            |              | 200mm diameter uPVC                                                                                                                                                    | No                        | 10  |      |        |
| F7.1.7                                                                                                                                                                                                            |              | 250mm diameter uPVC                                                                                                                                                    | No                        | 10  |      |        |
| F7.1.8                                                                                                                                                                                                            |              | 315mm diameter uPVC                                                                                                                                                    | No                        | 10  |      |        |
| F7.1.9                                                                                                                                                                                                            |              | 355mm diameter uPVC                                                                                                                                                    | No                        | 10  |      |        |
| F7.2                                                                                                                                                                                                              |              | <b>Removal of existing structures</b>                                                                                                                                  |                           |     |      |        |
| F7.2.1                                                                                                                                                                                                            |              | Gate valves                                                                                                                                                            | No                        | 10  |      |        |
| F7.2.2                                                                                                                                                                                                            |              | Fire hydrant                                                                                                                                                           | No                        | 10  |      |        |
| F7.2.3                                                                                                                                                                                                            |              | Valve / fire hydrant markers                                                                                                                                           | No                        | 10  |      |        |
| F7.3                                                                                                                                                                                                              |              | <b>Markers:</b>                                                                                                                                                        |                           |     |      |        |
| F7.3.1                                                                                                                                                                                                            |              | Valve and fire hydrant markers complete and installed.                                                                                                                 | No                        | 10  |      |        |
| F8                                                                                                                                                                                                                | SANS 1200 LF | <b>ERF CONNECTIONS (WATER)</b>                                                                                                                                         |                           |     |      |        |
| <b>TOTAL CARRIED FORWARD</b>                                                                                                                                                                                      |              |                                                                                                                                                                        |                           |     |      |        |

C2.2-23

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |          |                                                                                                                                                                | SECTION F                 |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |          |                                                                                                                                                                | MEDIUM PRESSURE PIPELINES |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS | DESCRIPTION                                                                                                                                                    | UNIT                      | QTY | RATE | AMOUNT |
| <b>TOTAL BROUGHT FORWARD</b>                                                                                                                                                                                      |          |                                                                                                                                                                |                           |     |      |        |
| F8.1                                                                                                                                                                                                              | 8.2.2    | <b>Supply (include materials), lay and bed type IV PN 12.5 HDPE pipes on Class C bedding, complete with couplings, test and disinfect the following pipes:</b> |                           |     |      |        |
| F8.1.1                                                                                                                                                                                                            |          | 20mm diameter                                                                                                                                                  | m                         | 100 |      |        |
| F8.1.2                                                                                                                                                                                                            |          | 25mm diameter                                                                                                                                                  | m                         | 100 |      |        |
| F8.1.3                                                                                                                                                                                                            |          | 32mm diameter                                                                                                                                                  | m                         | 100 |      |        |
| F8.1.4                                                                                                                                                                                                            |          | 40mm diameter                                                                                                                                                  | m                         | 100 |      |        |
| F8.2                                                                                                                                                                                                              | 8.2.3    | <b>Extra over Item 8.2.2 for specials<br/>Supply (include materials) and install saddles for type IV HDPE pipes on uPVC main pipes.</b>                        |                           |     |      |        |
| F8.2.1                                                                                                                                                                                                            |          | 20mm on 75mm diameter                                                                                                                                          | No.                       | 10  |      |        |
| F8.2.2                                                                                                                                                                                                            |          | 25mm on 75mm diameter                                                                                                                                          | No.                       | 10  |      |        |
| F8.2.3                                                                                                                                                                                                            |          | 32mm on 75mm diameter                                                                                                                                          | No.                       | 10  |      |        |
| F8.2.4                                                                                                                                                                                                            |          | 40mm on 75mm diameter                                                                                                                                          | No.                       | 10  |      |        |
| F8.2.5                                                                                                                                                                                                            |          | 25mm on 90mm diameter                                                                                                                                          | No.                       | 10  |      |        |
| F8.2.6                                                                                                                                                                                                            |          | 32mm on 90mm diameter                                                                                                                                          | No.                       | 10  |      |        |
| F8.2.7                                                                                                                                                                                                            |          | 40mm on 90mm diameter                                                                                                                                          | No.                       | 10  |      |        |
| F8.2.8                                                                                                                                                                                                            |          | 25mm on 110mm diameter                                                                                                                                         | No.                       | 10  |      |        |
| F8.2.9                                                                                                                                                                                                            |          | 32mm on 110mm diameter                                                                                                                                         | No.                       | 10  |      |        |
| F8.2.10                                                                                                                                                                                                           |          | 40mm on 110mm diameter                                                                                                                                         | No.                       | 10  |      |        |
| F8.3                                                                                                                                                                                                              | 8.2.3    | <b>Lockable ferrules for type IV HDPE pipes:</b>                                                                                                               |                           |     |      |        |
| F8.3.1                                                                                                                                                                                                            |          | 20mm diameter                                                                                                                                                  | No.                       | 10  |      |        |
| F8.3.2                                                                                                                                                                                                            |          | 25mm diameter                                                                                                                                                  | No.                       | 10  |      |        |
| F8.3.3                                                                                                                                                                                                            |          | 32mm diameter                                                                                                                                                  | No.                       | 10  |      |        |
| F8.3.4                                                                                                                                                                                                            |          | 40mm diameter                                                                                                                                                  | No.                       | 10  |      |        |
| F8.4                                                                                                                                                                                                              | 8.2.3    | <b>Male elbows for type IV HDPE pipes:</b>                                                                                                                     |                           |     |      |        |
| F8.4.1                                                                                                                                                                                                            |          | 20mm x 1/2" diameter                                                                                                                                           | No.                       | 10  |      |        |
| F8.4.2                                                                                                                                                                                                            |          | 25mm x 3/4" diameter                                                                                                                                           | No.                       | 10  |      |        |
| F8.4.3                                                                                                                                                                                                            |          | 32mm x 1" diameter                                                                                                                                             | No.                       | 10  |      |        |
| F8.4.4                                                                                                                                                                                                            |          | 40mm x 1" diameter                                                                                                                                             | No.                       | 10  |      |        |
| F8.5                                                                                                                                                                                                              | 8.2.3    | <b>Supply (include material) and install tees with female thread branch for type IV HDPE pipe</b>                                                              |                           |     |      |        |
| F8.5.1                                                                                                                                                                                                            |          | 32mm x 1 1/4" diameter                                                                                                                                         | No.                       | 10  |      |        |
| F8.6                                                                                                                                                                                                              | 8.2.3    | <b>Male adaptors for type IV HDPE pipes</b>                                                                                                                    |                           |     |      |        |
| F8.6.1                                                                                                                                                                                                            |          | 25mm x 1 3/4" diameter                                                                                                                                         | No.                       | 10  |      |        |
| F8.7                                                                                                                                                                                                              | 8.2.3    | <b>Multi reducers for type IV HDPE pipes</b>                                                                                                                   |                           |     |      |        |
| F8.7.1                                                                                                                                                                                                            |          | 32mm on 25mm diameter                                                                                                                                          | No.                       | 10  |      |        |
| <b>TOTAL CARRIED FORWARD</b>                                                                                                                                                                                      |          |                                                                                                                                                                |                           |     |      |        |

C2.2-24

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                                                                                                     |                                                                                                                                                                                                                                          | SECTION F                  |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |                                                                                                     |                                                                                                                                                                                                                                          | MEDIUM PRESSURE PIPELINES  |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS                                                                                            | DESCRIPTION                                                                                                                                                                                                                              | UNIT                       | QTY | RATE | AMOUNT |
| TOTAL BROUGHT FORWARD                                                                                                                                                                                             |                                                                                                     |                                                                                                                                                                                                                                          |                            |     |      |        |
| F8.8                                                                                                                                                                                                              | 8.2.3                                                                                               | End caps for type IV HDPE pipes                                                                                                                                                                                                          |                            |     |      |        |
| F8.8.1                                                                                                                                                                                                            |                                                                                                     | 20mm diameter                                                                                                                                                                                                                            | No                         | 10  |      |        |
| F8.8.2                                                                                                                                                                                                            |                                                                                                     | 25mm diameter                                                                                                                                                                                                                            | No                         | 10  |      |        |
| F8.8.3                                                                                                                                                                                                            |                                                                                                     | 32mm diameter                                                                                                                                                                                                                            | No                         | 10  |      |        |
| F9                                                                                                                                                                                                                |                                                                                                     | WATER METERS                                                                                                                                                                                                                             |                            |     |      |        |
| F9.1                                                                                                                                                                                                              | 8.2.4                                                                                               | Supply (include materials) Kent meters, or similar approved. The rate shall cover all fittings and labour to install the meter in the existing meter chamber for the following diameters:                                                |                            |     |      |        |
| F9.1.1                                                                                                                                                                                                            |                                                                                                     | 20mm                                                                                                                                                                                                                                     | No                         | 2   |      |        |
| F9.1.2                                                                                                                                                                                                            |                                                                                                     | 25mm                                                                                                                                                                                                                                     | No                         | 2   |      |        |
| F9.1.3                                                                                                                                                                                                            |                                                                                                     | 32mm                                                                                                                                                                                                                                     | No                         | 2   |      |        |
| F9.1.4                                                                                                                                                                                                            |                                                                                                     | 50mm                                                                                                                                                                                                                                     | No                         | 2   |      |        |
| F9.1.5                                                                                                                                                                                                            |                                                                                                     | 65mm                                                                                                                                                                                                                                     | No                         | 2   |      |        |
| F9.1.6                                                                                                                                                                                                            |                                                                                                     | 80mm                                                                                                                                                                                                                                     | No                         | 2   |      |        |
| F10                                                                                                                                                                                                               |                                                                                                     | SUNDRIES                                                                                                                                                                                                                                 |                            |     |      |        |
| F10.1                                                                                                                                                                                                             | PS L 8.2.16                                                                                         | Cut Into And Connect To Existing Mains                                                                                                                                                                                                   |                            |     |      |        |
| F10.1.1                                                                                                                                                                                                           |                                                                                                     | Connecting to existing water meters at erven. Rate to include all labour, plant and material including all notices to home owners and businesses and co-ordination of temporary water cut-offs during connection to new supply pipe.     | No.                        | 50  |      |        |
| F10.1.2                                                                                                                                                                                                           |                                                                                                     | Connecting to existing house connection at erven. Rate to include all labour, plant and material including all notices to home owners and businesses and co-ordination of temporary water cut-offs during connection to new supply pipe. | No.                        | 50  |      |        |
| F10.2                                                                                                                                                                                                             |                                                                                                     | Pipeline marker posts, complete as shown on detail drawings issued                                                                                                                                                                       | No.                        | 50  |      |        |
| F10.3                                                                                                                                                                                                             |                                                                                                     | Selected backfilling with soilcrete under roads and walkways or where instructed by Engineer                                                                                                                                             | m³                         | 20  |      |        |
| F11                                                                                                                                                                                                               |                                                                                                     | 8.2.2                                                                                                                                                                                                                                    | CLAMP REPAIRS AND CUT-OUTS |     |      |        |
| F11.1                                                                                                                                                                                                             | Repair clamp complete for pipe diameter up to 110 mm                                                |                                                                                                                                                                                                                                          | No.                        | 10  |      |        |
| F11.2                                                                                                                                                                                                             | Repair clamp complete for pipe diameter 160 mm to 250 mm                                            |                                                                                                                                                                                                                                          | No.                        | 10  |      |        |
| F11.3                                                                                                                                                                                                             | Repair clamp complete for pipe diameter 300 mm to 450 mm                                            |                                                                                                                                                                                                                                          | No.                        | 10  |      |        |
| F11.4                                                                                                                                                                                                             | Repair clamp complete for pipe diameter above 450 mm                                                |                                                                                                                                                                                                                                          | No.                        | 10  |      |        |
| F11.5                                                                                                                                                                                                             | Cut out defective section and replace pipe up to 110 mm complete with couplings and all incidentals |                                                                                                                                                                                                                                          | No.                        | 20  |      |        |
| F11.6                                                                                                                                                                                                             |                                                                                                     | Cut out defective section and replace pipe 160 mm to 250 mm complete with couplings and all incidentals                                                                                                                                  | No.                        | 20  |      |        |
| TOTAL CARRIED FORWARD                                                                                                                                                                                             |                                                                                                     |                                                                                                                                                                                                                                          |                            |     |      |        |

C2.2-25

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24; MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |           |                                                                                                            |      | SECTION F                 |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------|------|---------------------------|------|--------|
|                                                                                                                                                                                                                   |           |                                                                                                            |      | MEDIUM PRESSURE PIPELINES |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS  | DESCRIPTION                                                                                                | UNIT | QTY                       | RATE | AMOUNT |
| TOTAL BROUGHT FORWARD                                                                                                                                                                                             |           |                                                                                                            |      |                           |      |        |
| F11.7                                                                                                                                                                                                             |           | Cut out defective section and replace pipe 300 mm to 450 mm complete with couplings and all incidentals    | No.  | 20                        |      |        |
| F11.8                                                                                                                                                                                                             |           | Cut out defective section and replace pipe above 450 mm complete with couplings and all incidentals        | No.  | 20                        |      |        |
| F12                                                                                                                                                                                                               | 8.2.14(a) | <b>PRECAST CHAMBERS FOR ALL TYPES OF VALVES</b>                                                            |      |                           |      |        |
| F12.1                                                                                                                                                                                                             |           | Precast chamber complete including support brickwork, concrete foundations and insitu casted concrete slab | No.  | 10                        |      |        |
| F12.2                                                                                                                                                                                                             | 8.2.14(b) | <b>Extra-over for all types of valve chambers of depth exceeding 1.5m</b>                                  |      |                           |      |        |
| F12.2.1                                                                                                                                                                                                           |           | Air-release valve chamber (precast)                                                                        | No.  | 5                         |      |        |
| TOTAL SECTION F CARRIED TO SUMMARY                                                                                                                                                                                |           |                                                                                                            |      |                           |      |        |

C2.2-26

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                         |                                                                                                       |                | SECTION G              |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------|----------------|------------------------|------|--------|
|                                                                                                                                                                                                                   |                         |                                                                                                       |                | CONCRETE (SMALL WORKS) |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS                | DESCRIPTION                                                                                           | UNIT           | QTY                    | RATE | AMOUNT |
| G                                                                                                                                                                                                                 | SANS 1200GA             | <b>SECTION G: CONCRETE (SMALL WORKS)</b>                                                              |                |                        |      |        |
| G1                                                                                                                                                                                                                |                         | <b>Concrete Chamber for All Types of Valves</b>                                                       |                |                        |      |        |
| G1.1                                                                                                                                                                                                              | SANS 1200DB             | <b>Excavation</b>                                                                                     |                |                        |      |        |
| G1.1.1                                                                                                                                                                                                            | 8.3.2(a)                | Excavation for valve chambers in all materials, including hard rock                                   | m <sup>3</sup> | 66                     |      |        |
| G1.1.2                                                                                                                                                                                                            |                         | Level and Compact in-situ material on excavation bottom to 90% Mod. AASHTO in layer of 150mm          | m <sup>2</sup> | 35                     |      |        |
| G1.1.3                                                                                                                                                                                                            | SANS 1200DB<br>8.3.2(c) | Excavate and dispose of unsuitable material from excavation bottom                                    | m <sup>3</sup> | 23                     |      |        |
| G1.1.4                                                                                                                                                                                                            | 8.3.3.1                 | Import selected G6 material obtained for commercial sources and compact in layers of 150mm thickness  | m <sup>3</sup> | 23                     |      |        |
| G1.1.5                                                                                                                                                                                                            |                         | 19mm Crushed stone, 200mm thick layer                                                                 | m <sup>3</sup> | 12                     |      |        |
| G1.2                                                                                                                                                                                                              | SANS 1200 GA<br>8.2     | <b>Rough Formwork</b>                                                                                 |                |                        |      |        |
| G1.2.1                                                                                                                                                                                                            | 8.2.1                   | External faces of scour valve base including 20mm x 20mm chamfer to all vertical and horizontal edges | m <sup>2</sup> | 6                      |      |        |
| G1.3                                                                                                                                                                                                              | 8.2.2                   | <b>Smooth Formwork</b>                                                                                |                |                        |      |        |
| G1.3.1                                                                                                                                                                                                            |                         | <b>Plane Horizontal Formwork</b>                                                                      |                |                        |      |        |
| G1.3.1.1                                                                                                                                                                                                          |                         | Soffit of roof slab                                                                                   | m <sup>2</sup> | 14                     |      |        |
| G1.3.2                                                                                                                                                                                                            |                         | <b>Plane Vertical Formwork</b>                                                                        |                |                        |      |        |
| G1.3.2.1                                                                                                                                                                                                          |                         | Internal faces of the scour valve                                                                     | m <sup>2</sup> | 56                     |      |        |
| G1.3.2.2                                                                                                                                                                                                          |                         | Exterior vertical faces including 20mm x 20mm chamfer to all vertical and horizontal edges            | m <sup>2</sup> | 26                     |      |        |
| G1.4                                                                                                                                                                                                              | 8.4                     | <b>Concrete</b>                                                                                       |                |                        |      |        |
| G1.4.1                                                                                                                                                                                                            | 8.4.2                   | 50mm Class 15/19 Blinding layer for scour valve chamber                                               | m <sup>3</sup> | 2                      |      |        |
| G1.5                                                                                                                                                                                                              | 8.4.3                   | <b>Strength Concrete Class 30/19 Fast Curing</b>                                                      |                |                        |      |        |
| G1.5.1                                                                                                                                                                                                            |                         | Chamber floor                                                                                         | m <sup>3</sup> | 5                      |      |        |
| G1.5.2                                                                                                                                                                                                            |                         | Chamber walls                                                                                         | m <sup>3</sup> | 9                      |      |        |
| G1.5.3                                                                                                                                                                                                            |                         | Chamber roof slab                                                                                     | m <sup>3</sup> | 2                      |      |        |
| G1.6                                                                                                                                                                                                              | 8.3.1                   | <b>Reinforcement</b>                                                                                  |                |                        |      |        |
| G1.6.1                                                                                                                                                                                                            |                         | Y10 High yield mild steel bars                                                                        | t              | 0.10                   |      |        |
| G1.6.2                                                                                                                                                                                                            |                         | Y12 High yield mild steel bars                                                                        | t              | 0.720                  |      |        |
| G1.6.3                                                                                                                                                                                                            |                         | Y16 High yield mild steel bars                                                                        | t              | 0.10                   |      |        |
| G1.7                                                                                                                                                                                                              | 8.3.2                   | <b>High tensile welded mesh</b>                                                                       |                |                        |      |        |
| G1.7.1                                                                                                                                                                                                            |                         | Mesh Ref 617                                                                                          | m <sup>2</sup> | 12                     |      |        |
| G1.7.2                                                                                                                                                                                                            |                         | Mesh Ref 888                                                                                          | m <sup>2</sup> | 62                     |      |        |
| G1.8                                                                                                                                                                                                              | 8.4.4                   | <b>Unformed Surface Finishes</b>                                                                      |                |                        |      |        |
| <b>TOTAL CARRIED FORWARD</b>                                                                                                                                                                                      |                         |                                                                                                       |                |                        |      |        |

**C2.2-27**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |          |                                                                                    |                | SECTION G              |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------|----------------|------------------------|------|--------|
|                                                                                                                                                                                                                   |          |                                                                                    |                | CONCRETE (SMALL WORKS) |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS | DESCRIPTION                                                                        | UNIT           | QTY                    | RATE | AMOUNT |
| TOTAL BROUGHT FORWARD                                                                                                                                                                                             |          |                                                                                    |                |                        |      |        |
| G1.8.1                                                                                                                                                                                                            |          | Wood-floated finish                                                                | m <sup>2</sup> | 10                     |      |        |
| G2                                                                                                                                                                                                                |          | <b>Manhole Covers</b>                                                              |                |                        |      |        |
| G2.1                                                                                                                                                                                                              |          | Lockable Securex Y-560-C Ductile Iron Manhole Cover Class C250 or similar approved | No             | 10                     |      |        |
| TOTAL SECTION G CARRIED TO SUMMARY                                                                                                                                                                                |          |                                                                                    |                |                        |      |        |

C2.2-28

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |          |                                                                                   | SECTION H      |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|----------------|-----|------|--------|
|                                                                                                                                                                                                                   |          |                                                                                   | LEAK DETECTION |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS | DESCRIPTION                                                                       | UNIT           | QTY | RATE | AMOUNT |
| H                                                                                                                                                                                                                 |          | <b>SECTION H: LEAK DETECTION</b>                                                  |                |     |      |        |
| H1                                                                                                                                                                                                                | PSLD-1   | Desktop review and prioritisation of suspected leak points / existing leak sheets | No.            | 90  |      |        |
| H2                                                                                                                                                                                                                | PSLD-2   | Visible leak inspection and confirmation                                          | No.            | 100 |      |        |
| H3                                                                                                                                                                                                                | PSLD-3   | Acoustic leak detection survey on distribution / trunk mains                      | km             | 40  |      |        |
| H4                                                                                                                                                                                                                | PSLD-4   | Ground microphone / listening stick pinpointing at suspected leak location        | No.            | 90  |      |        |
| H5                                                                                                                                                                                                                | PSLD-5   | Correlator-based leak detection and pinpointing                                   | No.            | 50  |      |        |
| H6                                                                                                                                                                                                                | PSLD-6   | Noise logger deployment, retrieval and interpretation                             | Week           | 10  |      |        |
| H7                                                                                                                                                                                                                | PSLD-7   | Flow logging and night-flow assessment                                            | Week           | 10  |      |        |
| H8                                                                                                                                                                                                                | PSLD-8   | Pressure logging and pressure profile assessment                                  | Week           | 10  |      |        |
| H9                                                                                                                                                                                                                | PSLD-9   | Step test / zone isolation test                                                   | No.            | 10  |      |        |
| H10                                                                                                                                                                                                               | PSLD-10  | Reservoir drop test and leakage assessment                                        | No.            | 10  |      |        |
| H11                                                                                                                                                                                                               | PSLD-11  | Pegging, marking and recording confirmed leak location with coordinates and photo | No.            | 90  |      |        |
| <b>TOTAL SECTION H CARRIED TO SUMMARY</b>                                                                                                                                                                         |          |                                                                                   |                |     |      |        |

**C2.2-29**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |              |                                                                                                                                                                        | SECTION I                           |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |              |                                                                                                                                                                        | RESERVOIR SEALING AND WATERPROOFING |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS     | DESCRIPTION                                                                                                                                                            | UNIT                                | QTY | RATE | AMOUNT |
| I                                                                                                                                                                                                                 |              | <b>SECTION I: RESERVOIR SEALING AND WATERPROOFING</b>                                                                                                                  |                                     |     |      |        |
| I1                                                                                                                                                                                                                |              | <b>Sealing and Waterproofing</b>                                                                                                                                       |                                     |     |      |        |
| I1.1                                                                                                                                                                                                              | PSRS-1       | Prepare and seal leaking construction / movement joint in reservoir or chamber complete                                                                                | m                                   | 150 |      |        |
| I1.2                                                                                                                                                                                                              | PSRS-2       | Inject and seal structural crack in water-retaining structure complete                                                                                                 | m                                   | 100 |      |        |
| I1.3                                                                                                                                                                                                              | PSRS-3       | Apply two-component polymer-modified cementitious flexible waterproof coating, potable-water approved, in minimum two coats to 2.0 mm DFT on prepared surface complete | m <sup>2</sup>                      | 500 |      |        |
| I1.4                                                                                                                                                                                                              | PSRS-4       | Supply and apply approved epoxy / polymer repair mortar to local defects, honeycombing or spalled concrete complete                                                    | m <sup>2</sup>                      | 60  |      |        |
| I2                                                                                                                                                                                                                |              | <b>Pipework, Valves and Accessories</b>                                                                                                                                |                                     |     |      |        |
| I2.1                                                                                                                                                                                                              | PSRS-5       | Repair leaking scour, overflow, inlet or outlet pipework at reservoir or chamber                                                                                       | No.                                 | 10  |      |        |
| I2.2                                                                                                                                                                                                              | PSRS-6       | Replace or refurbish altitude / float / level control valve, Bermad or similar approved type, complete                                                                 | No.                                 | 10  |      |        |
| I2.3                                                                                                                                                                                                              | PSRS-7       | Repair / replace chamber floor drain, sump or drainage arrangement                                                                                                     | No.                                 | 10  |      |        |
| I2.4                                                                                                                                                                                                              | PSRS-8       | Repair leaking hatch, roof slab penetration, vent or access detail complete                                                                                            | No.                                 | 10  |      |        |
| I3                                                                                                                                                                                                                | SANS 1200 GA | <b>Structural Repairs</b>                                                                                                                                              |                                     |     |      |        |
| I3.1                                                                                                                                                                                                              | 8.4.3        | Mass concrete 20 MPa / 19 mm nominal stone to chamber bases, plinths and minor works                                                                                   | m <sup>3</sup>                      | 10  |      |        |
| I3.2                                                                                                                                                                                                              | 8.4.3        | Reinforced concrete 25 MPa / 19 mm nominal stone to chamber walls, slabs and local repairs                                                                             | m <sup>3</sup>                      | 10  |      |        |
| I3.3                                                                                                                                                                                                              | 8.4.3        | Reinforced concrete 30 MPa / 19 mm nominal stone to water-retaining structural repairs or new works                                                                    | m <sup>3</sup>                      | 10  |      |        |
| I3.4                                                                                                                                                                                                              | 8.3.1        | High tensile reinforcement complete                                                                                                                                    | t                                   | 4   |      |        |
| I3.5                                                                                                                                                                                                              | 8.2.2        | Formwork Smooth to sides of concrete                                                                                                                                   | m <sup>2</sup>                      | 55  |      |        |
| I3.6                                                                                                                                                                                                              | 8.2.2        | Formwork Smooth to soffits, slabs and beams                                                                                                                            | m <sup>2</sup>                      | 30  |      |        |
| I3.7                                                                                                                                                                                                              | 8.7          | Non-shrink grout to baseplates, valve pedestals, plinths and similar works                                                                                             | m <sup>3</sup>                      | 5   |      |        |
| I4                                                                                                                                                                                                                |              | <b>Ancillary Works</b>                                                                                                                                                 |                                     |     |      |        |
| I4.1                                                                                                                                                                                                              | PSRS-16      | Refurbish security fence, gate and lock arrangement at reservoir / chamber                                                                                             | Item                                | 5   |      |        |
| I4.2                                                                                                                                                                                                              | PSRS-17      | Make good internal plaster / screed / fillet to wall-floor junctions complete                                                                                          | m                                   | 50  |      |        |
| <b>TOTAL SECTION I CARRIED TO SUMMARY</b>                                                                                                                                                                         |              |                                                                                                                                                                        |                                     |     |      |        |

**C2.2-30**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |          |                                                                                                                   | SECTION J                          |     |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------|------------------------------------|-----|------|--------|
|                                                                                                                                                                                                                   |          |                                                                                                                   | METERING, ZONE CONTROL & TELEMETRY |     |      |        |
| ITEM                                                                                                                                                                                                              | PAY REFS | DESCRIPTION                                                                                                       | UNIT                               | QTY | RATE | AMOUNT |
| J                                                                                                                                                                                                                 |          | <b>SECTION J: METERING, ZONE CONTROL &amp; TELEMETRY</b>                                                          |                                    |     |      |        |
| J1                                                                                                                                                                                                                | PSMZ 1   | <b>Bulk and Zone Metering</b>                                                                                     |                                    |     |      |        |
| J1.1                                                                                                                                                                                                              |          | Supply and install electromagnetic bulk / zone flow meter 80 mm to 100 mm complete                                | No.                                | 10  |      |        |
| J1.2                                                                                                                                                                                                              |          | Supply and install electromagnetic bulk / zone flow meter 150 mm to 200 mm complete                               | No.                                | 10  |      |        |
| J1.3                                                                                                                                                                                                              |          | Supply and install electromagnetic bulk / zone flow meter 250 mm to 400 mm complete                               | No.                                | 10  |      |        |
| J1.4                                                                                                                                                                                                              | PSMZ-4   | Replace faulty existing bulk meter complete                                                                       | No.                                | 10  |      |        |
| J1.5                                                                                                                                                                                                              | PSMZ-5   | Temporary clamp-on ultrasonic flow survey complete                                                                | Week                               | 20  |      |        |
| J2                                                                                                                                                                                                                |          | <b>Zone Control, Loggers and Telemetry</b>                                                                        |                                    |     |      |        |
| J2.1                                                                                                                                                                                                              | PSMZ-6   | Pressure logger supplied, installed, downloaded and reported                                                      | Logger-week                        | 40  |      |        |
| J2.2                                                                                                                                                                                                              | PSMZ-7   | Flow logger supplied, installed, downloaded and reported                                                          | Logger-week                        | 30  |      |        |
| J2.3                                                                                                                                                                                                              | PSMZ-8   | RTU / telemetry panel upgrade or replacement at meter / reservoir / PRV site                                      | No.                                | 10  |      |        |
| J2.4                                                                                                                                                                                                              | PSMZ-9   | Solar power supply / battery backup for remote meter or telemetry site                                            | No.                                | 10  |      |        |
| J2.5                                                                                                                                                                                                              | PSMZ-10  | Zone meter chamber, spool pieces and isolation arrangement complete fer to typical detail drawing no 6253-PCE-??? | No.                                | 10  |      |        |
| J2.6                                                                                                                                                                                                              | PSMZ-11  | Calibration and commissioning of bulk / zone meter                                                                | No.                                | 30  |      |        |
| <b>TOTAL SECTION J CARRIED TO SUMMARY</b>                                                                                                                                                                         |          |                                                                                                                   |                                    |     |      |        |

C2.2-31

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |          |                                                                            | SECTION K<br>TEMPORARY SUPPLY, TESTING & COMMISSIONING |       |      |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------|--------------------------------------------------------|-------|------|--------|
| ITEM                                                                                                                                                                                                              | PAY REFS | DESCRIPTION                                                                | UNIT                                                   | QTY   | RATE | AMOUNT |
| K                                                                                                                                                                                                                 |          | <b>SECTION K: TEMPORARY SUPPLY, TESTING &amp; COMMISSIONING</b>            |                                                        |       |      |        |
| K1                                                                                                                                                                                                                |          | <b>Temporary Supply and Shutdowns</b>                                      |                                                        |       |      |        |
| K1.1                                                                                                                                                                                                              | PSTS-1   | Shutdown planning, notices and operational coordination                    | Per Shutdown                                           | 30    |      |        |
| K1.2                                                                                                                                                                                                              | PSTS-2   | Valve isolation and controlled shutdown / re-opening operation             | Per Event                                              | 60    |      |        |
| K1.3                                                                                                                                                                                                              | PSTS-3   | Temporary bypass pumping arrangement                                       | Day                                                    | 60    |      |        |
| K1.4                                                                                                                                                                                                              | PSTS-4   | Temporary overland hose / bypass line up to 100 mm                         | m-day                                                  | 1 000 |      |        |
| K1.5                                                                                                                                                                                                              | PSTS-5   | Temporary overland hose / bypass line above 100 mm                         | m-day                                                  | 500   |      |        |
| K2                                                                                                                                                                                                                |          | <b>Testing, Disinfection and Handover</b>                                  |                                                        |       |      |        |
| K2.1                                                                                                                                                                                                              | PSTS-6   | Pressure test of repaired or replacement pipeline section                  | Per Test                                               | 30    |      |        |
| K2.2                                                                                                                                                                                                              | PSTS-7   | Flush, disinfect and commission repaired / replaced section                | Per Event                                              | 30    |      |        |
| K2.3                                                                                                                                                                                                              | PSTS-8   | Water quality sampling and compliance confirmation after repair            | No.                                                    | 20    |      |        |
| K2.4                                                                                                                                                                                                              | PSTS-9   | Completion record including photographs, coordinates and asset update data | No.                                                    | 100   |      |        |
| <b>TOTAL SECTION K CARRIED TO SUMMARY</b>                                                                                                                                                                         |          |                                                                            |                                                        |       |      |        |

C2.2-32

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2



| CONTRACT NO: VCW380/PWLPLM/24: MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL MUNICIPALITY IN PHUTHADITJABA |                |                                                                                                                        | SECTION L        |              |              |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------|------------------|--------------|--------------|--------------|
|                                                                                                                                                                                                                   |                |                                                                                                                        | PROVISIONAL SUMS |              |              |              |
| ITEM                                                                                                                                                                                                              | PAY REFS       | DESCRIPTION                                                                                                            | UNIT             | QTY          | RATE         | AMOUNT       |
| L                                                                                                                                                                                                                 |                | <b>SECTION L: PROVISIONAL SUMS</b>                                                                                     |                  |              |              |              |
| L1                                                                                                                                                                                                                | SANS 1200A 8.5 | <b>Sum Stated Provisionally by Engineer</b>                                                                            |                  |              |              |              |
| L1.1                                                                                                                                                                                                              |                | Arrange for tests to be carried out, as required by the Engineer, by an accredited laboratory.                         | Prov. Sum        | 1            | R 100 000.00 | R 100 000.00 |
| L1.2                                                                                                                                                                                                              |                | Overheads, charges and profit on item L1.1                                                                             | %                | R 100 000.00 |              |              |
| L1.3                                                                                                                                                                                                              |                | Engineer's accommodation and transportation charges                                                                    | Prov. Sum        | 1            | R 500 000.00 | R 500 000.00 |
| L1.4                                                                                                                                                                                                              |                | Overheads, charges and profit over item L1.3                                                                           | %                | R 500 000.00 |              |              |
| L1.5                                                                                                                                                                                                              |                | Engineer's additional Monitoring and Quality Control Charges                                                           | Prov. Sum        | 1            | R 300 000.00 | R 300 000.00 |
| L1.6                                                                                                                                                                                                              |                | Overheads, charges and profit on item L1.5                                                                             | %                | R 300 000.00 |              |              |
| L1.7                                                                                                                                                                                                              | 8.8.5          | Trigonometrical Surveys and submission of survey data (.csv) and drawings (.dwg) in electronic format to the Engineers | Prov. Sum        | 1            | R 100 000.00 | R 100 000.00 |
| L1.8                                                                                                                                                                                                              |                | Overheads, charges and profit on item L1.7                                                                             | %                | R 100 000.00 |              |              |
| L1.9                                                                                                                                                                                                              |                | Provisional sum for specialist asbestos sampling, air monitoring and disposal oversight                                | Prov. Sum        | 1            | R 100 000.00 | R 100 000.00 |
| L1.10                                                                                                                                                                                                             |                | Overheads, charges and profit on item L1.9                                                                             | %                | R 100 000.00 |              |              |
| L1.11                                                                                                                                                                                                             |                | Provisional sum for specialist reservoir structural assessment and sealing design input                                | Prov. Sum        | 1            | R 200 000.00 | R 200 000.00 |
| L1.12                                                                                                                                                                                                             |                | Overheads, charges and profit on item L1.11                                                                            | %                | R 200 000.00 |              |              |
| L1.13                                                                                                                                                                                                             |                | Provisional sum for survey / GIS specialist support                                                                    | Prov. Sum        | 1            | R 100 000.00 | R 100 000.00 |
| L1.14                                                                                                                                                                                                             |                | Overheads, charges and profit on item L1.13                                                                            | %                | R 100 000.00 |              |              |
| L1.15                                                                                                                                                                                                             |                | Provisional sum for emergency utility diversions / third-party approvals                                               | Prov. Sum        | 1            | R 100 000.00 | R 100 000.00 |
| L1.16                                                                                                                                                                                                             |                | Overheads, charges and profit on item L1.15                                                                            | %                | R 100 000.00 |              |              |
| <b>TOTAL SECTION L CARRIED TO SUMMARY</b>                                                                                                                                                                         |                |                                                                                                                        |                  |              |              |              |

**C2.2-33**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**VAAL CENTRAL WATER**

**CONTRACT NO.**

**VCW380/PWLPLM/24**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

**SECTION C2.3**

**SUMMARY OF SCHEDULES**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

| CALCULATIONS OF TENDER SUM                                                                                                                                                                                                                                                                                                                                                                  |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| SECTION A: PRELIMINARY AND GENERAL                                                                                                                                                                                                                                                                                                                                                          | R |
| SECTION B: DAYWORKS                                                                                                                                                                                                                                                                                                                                                                         | R |
| SECTION C: SITE CLEARANCE                                                                                                                                                                                                                                                                                                                                                                   | R |
| SECTION D: EARTHWORKS (PIPE TRENCHES)                                                                                                                                                                                                                                                                                                                                                       | R |
| SECTION E: BEDDING (PIPES)                                                                                                                                                                                                                                                                                                                                                                  | R |
| SECTION F: BEDDING (PIPES)                                                                                                                                                                                                                                                                                                                                                                  | R |
| SECTION G CONCRETE (SMALL WORKS)                                                                                                                                                                                                                                                                                                                                                            | R |
| SECTION H: LEAK DETECTION                                                                                                                                                                                                                                                                                                                                                                   | R |
| SECTION I: RESERVOIR SEALING AND WATERPROOFING                                                                                                                                                                                                                                                                                                                                              | R |
| SECTION J: METERING, ZONE CONTROL & TELEMETRY                                                                                                                                                                                                                                                                                                                                               | R |
| SECTION K: TEMPORARY SUPPLY, TESTING & COMMISSIONING                                                                                                                                                                                                                                                                                                                                        | R |
| SECTION L: PROVISIONAL SUMS                                                                                                                                                                                                                                                                                                                                                                 | R |
| <b>SUB TOTAL A</b>                                                                                                                                                                                                                                                                                                                                                                          | R |
|                                                                                                                                                                                                                                                                                                                                                                                             |   |
| Plus: 10% CONTINGENCIES                                                                                                                                                                                                                                                                                                                                                                     | R |
|                                                                                                                                                                                                                                                                                                                                                                                             |   |
| <b>SUB TOTAL B</b>                                                                                                                                                                                                                                                                                                                                                                          | R |
|                                                                                                                                                                                                                                                                                                                                                                                             |   |
| Plus: 15% VALUE ADDED TAX (VAT)                                                                                                                                                                                                                                                                                                                                                             | R |
|                                                                                                                                                                                                                                                                                                                                                                                             |   |
| <b>TOTAL</b>                                                                                                                                                                                                                                                                                                                                                                                | R |
|                                                                                                                                                                                                                                                                                                                                                                                             |   |
| <div style="display: flex; justify-content: space-between;"> <span>CONFIRM</span> <span>BID</span> <span>TOTAL</span> <span>IN</span> </div> <div style="margin-top: 5px;">             WORDS: _____<br/>             _____<br/>             _____<br/>             _____<br/>             _____<br/> <br/>             BIDDERS SIGNATURE _____<br/> <br/>             WITNESS _____ </div> |   |
| <b>CARRY TOTAL IN FIGURES AND WORDS TO FORM OF OFFER AND COVER PAGE FOR TENDER OPENING PURPOSES</b>                                                                                                                                                                                                                                                                                         |   |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**VAAL CENTRAL WATER  
CONTRACT NO.  
VCW380/PWLPLM/24**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

**SECTION C2.4**

**BANKING DETAILS**

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

**VAAL CENTRAL WATER**  
**CONTRACT NO.**  
**VCW380/PWLPLM/24**

**MALUTI-A-PHOFUNG LOCAL MUNICIPALITY: APPOINTMENT OF A  
MAXIMUM OF FOUR (04) CONTRACTORS FOR THE REPAIRS OF  
POTABLE WATER LEAKS MALUTI-A-PHOFUNG LOCAL  
MUNICIPALITY IN PHUTHADITJABA**

**FINANCIAL REFERENCES**

(a) **BANK RATING**

1. It is requisite that a bank rating be obtained, bearing an original stamp by the relevant bank.
2. Failure to complete the bank rating Form overleaf may invalidate the tender rating should be based on the highest contract value tendered for and the corresponding timeframe.

(b) **FINANCIAL STATEMENTS**

I/We agree, if required, to furnish an audited copy of the latest set of financial statements together with my/our Directors' and Auditors' report for consideration by the Employer.

(c) **DETAILS OF COMPANY'S BANK**

I/We hereby authorize the Employer/Engineer to approach all or any of the following banks for a reference:

| DESCRIPTION OF<br>BANK DETAIL | BANK DETAIL<br>APPLICABLE TO<br>COMPANY HEAD<br>OFFICE | BANK DETAIL<br>APPLICABLE TO THE<br>SITE OF THE WORKS |
|-------------------------------|--------------------------------------------------------|-------------------------------------------------------|
| Name of bank                  |                                                        |                                                       |
| Branch name                   |                                                        |                                                       |
| Branch Code                   |                                                        |                                                       |
| Street Address                |                                                        |                                                       |
| Name of manager               |                                                        |                                                       |
| Telephone number              | (     )                                                | (     )                                               |
| Account number                |                                                        |                                                       |
| Bank Rating                   |                                                        |                                                       |

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2

.....  
SIGNATURE OF BIDDER:

.....  
DATE:

DECLARATION BY BANK MANAGER

This is to certify that the Bidder has sufficient good standing with this bank that he will, in my opinion, be financially able to complete a contract to the value as entered, by the Bidder, in Form C1.1 over the specified duration, or such other duration as the Bidder may offer. In addition, we confirm that, for the amount of the enquiry, the Bidder is rated Code

.....  
SIGNATURE OF BANK MANAGER:

.....  
DATE:

Place bank stamp here

Contractor

Witness 1

Witness 2

Employer

Witness 1

Witness 2