Province of the
EASTERN CAPE
EDUCATION

REQUEST FOR BID

FOR

APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL

4GB OR HIGHER

EMIS NO: 200500740

DISTRICT: JOE GQABI

BID NO: SCMU6-26/27-0009

Consisting of:
Single Volume: The Request for Bid (Returnable) - This document

BIDDER: ……

CRS NO: ……...

Compiled for:	Compiled by:
SUPPLY CHAIN MANAGEMENT Eastern Cape Department of Education Steve Tshwete Complex, Zone 6 **ZWELITSHA** 5608 Website: www.ecdoe.gov.za	

NOVEMBER 2026
PNO: P9009660

REQUEST FOR BID

Index

REQUEST FOR BID

Part 1: Bid Procedure
- T1.1 Request for Bid Notice and Invitation to Bid (SBD1)
- T1.2 Request for Bid Data
- T1.3 Bid Evaluation Criteria

Part 2: Agreement and Contract Data
- C1.1 Form of Offer and Acceptance
- C1.1a Final Summary of Bills of Quantities
- C1.1b Standard Conditions of Tender
- C1.1c General Conditions of Contract
- C1.2 Contract Data
- C1.3 Form of Guarantee

Part 3: Returnable Schedules/Documents
1. T2.1 List of Returnable Documents
2. T2.2 Returnable Documents:
    - SBD 4 Declaration of Interest
    - SBD 5 The National Industrial Participation Programme
    - SBD 6.1 Preference Points Claim Form in terms of the Preferential Procurement Regulations 2022
    - T2.2.1 Certificate of Authority for Signatory
    - T2.2.2 Certificate of Authority for Joint Ventures
    - T2.2.5 Record of Addenda to Request for Bid Documents
    - T2.2.6 Capacity of Bidder
    - T2.2.7 Relevant Project Experience - Completed Projects
    - T2.2.8 Relevant Project Experience - Current Projects
    - T2.2.9 Schedule of Plant & Equipment
    - T2.2.10 Compulsory Enterprise Questionnaire
    - T2.2.11 CIDB Grading Certificate
    - T2.2.12 Other Certificates
    - T2.2.13 Completed Project Reference Forms

THE CONTRACT

Part 4: Scope of Work
- C3.1 Scope of work
- C3.2 Health and Safety Specification
- C3.4 Contractors Reports

Part 5: Pricing data
- C2.1 Pricing instructions
- C2.2 Preliminaries/Bill of Quantities/Final Summary

Part 6: Site information
- C4 Site information
- C5 Drawings

Part 1: BID PROCEDURE

T1.1: Request for Bid Notice and Invitation to Bid (SBD1)

REQUEST FOR BID NOTICE

DEPARTMENT OF EDUCATION
EASTERN CAPE PROVINCE

The Eastern Cape Department of Education (ECDOE) invites contractors to tender for the **APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**

BID NO: SCMU6-26/27-0009
[CIDB Grade: 4GB or Higher]

Project Leader (DoE)
Ms N Jodo
Tel: 040 608 4707
Email: ntomboxolo.jodo@ecdoe.gov.za

Bid documents are downloadable free of charge from the Eastern Cape Department of Education website https://www.ecdoe.gov.za/resources/documents.html#tenders or from National Treasury's tender portal (http://www.etender.gov.za/content/advertised-tenders). BID documents will be available on **20 November 2026** at **09h00am**. No BID documents will be available at departmental offices.

Mandatory Briefing Session will be held at **MORULANE JUNIOR SECONDARY SCHOOL** on **Friday, 27 November 2026** from **11h00am.** Co-ordinates **JOE GQABI .**
-30.50793 S 28.56177 E
Queries relating to the issue of these documents may be addressed in writing to: **Ms Asanda Pokwana** – Email: Asanda.pokwana@ecdoe.gov.za **Technical enquiries:** may be addressed in writing to **Ms N Jodo** – Email: ntomboxolo.jodo@ecdoe.gov.za

Completed Request for Bid documents in a sealed envelope endorsed with the project name, request for Bid number and description must be deposited in the Tender Box, **Department of Education, Steve Tshwete Complex, Zone 6, Zwelitsha**, not later than **11h00** on **Friday, 11 December 2026**

Telegraphic, telexed or faxed tenders will not be considered. The ECDoE does not bind itself to accepting the lowest tenderer. Tender price offered should not pose a commercial risk to the completion of the project. No electronic or excel Bills of Quantities will be distributed.

Procurement Contact Official
Ms A Pokwana
Tel: 040 608 4326
Asanda.pokwana@ecdoe.gov.za

Infrastructure Contact Official
Ms N Jodo
Tel: 040 608 4707
ntomboxolo.jodo@ecdoe.gov.za

PART A
INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE DEPARTMENT OF EDUCATION					
BID NUMBER:	**SCMU6-26/27-0009**	CLOSING DATE:	**11 December 2026**	CLOSING TIME:	**11h00am**
DESCRIPTION	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**				

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT *(STREET ADDRESS)*

Department of Education

Steve Tshwete Education Complex

Zone 6

Zwelitsha

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO		**TECHNICAL ENQUIRIES MAY BE DIRECTED TO:**	
CONTACT PERSON	**Ms Asanda Pokwana**	CONTACT PERSON	**Ms Ntomboxolo Jodo**
TELEPHONE NUMBER	**040 608 4326**	TELEPHONE NUMBER	**040 608 4704**
FACSIMILE NUMBER		FACSIMILE NUMBER	
E-MAIL ADDRESS	**Asanda.pokwana@ecdoe.gov.za**	E-MAIL ADDRESS	ntomboxolo.jodo@ecdoe.gov.za

SUPPLIER INFORMATION

NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		**OR**	CENTRAL SUPPLIER DATABASE No:	MAAA
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES OFFERED?	☐Yes ☐No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES OFFERED?	☐Yes ☐No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	

QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐ YES ☐ NO
DOES THE ENTITY HAVE A BRANCH IN THE RSA?	☐ YES ☐ NO
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐ YES ☐ NO
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	☐ YES ☐ NO
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	☐ YES ☐ NO

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

PART B
TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.

1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED (NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**

1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**

2. TAX COMPLIANCE REQUIREMENTS

2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.

2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.

2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA

2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.

2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.

2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.

2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF THE BIDDER: ……

CAPACITY UNDER WHICH THIS BID IS SIGNED: ……
(Proof of authority must be submitted e.g. company resolution)

DATE: ……

T1.2 Request for Bid Data

T1.2: REQUEST FOR BID DATA

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**		
Bid No:	**SCMU6-26/27-0009**		
Advertising date:	**20 November 2026**	**Closing date:**	**11 December 2026**
Closing time:	11h00	Validity period	120 Days

Clause number	
	The conditions of Request for Bid applicable to this contract are the Standard Conditions of Tender as contained in Annexure C of the CIDB Standard for Uniformity in Construction Procurement (August 2019) as published in Government Gazette No. 42622, Department of Public Works Notice 423. The Standard Conditions of Bid make several references to the Bid Data for details that apply specifically to this Bid. The Bid Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of Bid. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Bid to which it mainly applies.
C.1.2	The employer is the Eastern Cape Province **Department of Education**
C.1.3.1	The Request for Bid documents issued by the employer comprise: **THE REQUEST FOR BID (SINGLE VOLUME)** **Part 1: Bidding Procedure** T1.1 Request for Bid Notice and Invitation to Bid (SBD1) T1.2 Request for Bid Data **Part 2: Agreement and Contract Data** C1.1 Form of Offer and Acceptance C1.1a Final Summary of Bills of Quantities (C2.2) C1.1b Standard Conditions of Tender C1.1c General Conditions of Contract C1.2 Contract Data C1.3 Form of Guarantee **Part 3: Returnable Schedules/Documents** T2.1 List of Returnable Documents T2.2 Returnable Documents:

SBD4	Declaration of interest	Mandatory Requirement
SBD6.1	Preference points claim form in terms of Preferential Procurement Regulations 2022	Non-Elimination, to be submitted for the purposes of claiming points for Specific Goals.
T2.2.1	Certificate of authority for signatory	Mandatory Requirement
T2.2.2	Certificate of authority for joint ventures (if applicable)	Mandatory Requirement
T2.2.5	Record of addenda to Request for Bid documents	Additional documents
T2.2.6	Capacity of Bidder	Additional documents
T2.2.7	Relevant project experience - completed projects	Additional documents

	T2.2.8	Relevant project experience - current projects	Additional documents
	T2.2.9	Schedule of plant & equipment	Additional documents
	T2.2.10	Compulsory enterprise questionnaire	Mandatory Requirement
	T2.2.11	CIDB grading certificate	Mandatory Requirement
	T2.2.12	Other certificates (certified copies to be inserted by Bidder), etc	Mandatory Requirement
		• Valid Letter of Good Standing from Compensation Fund or a licensed insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act 1993	Mandatory Requirement
	T2.2.13	Completed project reference forms	Additional documents
	PRICING SCHEDULE	• Priced BoQ	Mandatory Requirement

THE CONTRACT
Part 4: Scope of Work
C3.1 Scope of work
C3.2 Health and Safety Specification
C3.4 Contractors Reports
Part 5: Pricing data
C2.1 Pricing instructions
C2.2 Preliminaries / Bill of Quantities / Final Summary
Part 6: Site information
C4 Site information
C5 Drawings

C.1.4 The employer's agent is:

Name:	N Jodo (Eastern Cape Province Department of Education)
Capacity:	Project Leader
Address:	Steve Tshwete Building
Tel:	(040) 608 4707
Fax:	
E-mail:	Ntomboxolo.jodo@ecdoe.gov.za

C.2.1

Only those Bidders who satisfy the following eligibility criteria should submit Request for Bids:

1. Submit an offer only if the Bidder satisfies the criteria stated in the Request for Bid data and the Bidder, or any of his principals, is not under any restriction to do business with the employer.
2. The Bidder is registered with the CIDB, in a **4GB** or Higher class of construction work.
3. The Bidder is registered on the National Treasury Central Supplier Data Base (https://secure.csd.gov.za)
4. The Bidder accepts that documents that have correction fluid on them will be deemed non-responsive and the documents must remain intact.
5. Bidders adhere to the pre-qualification criteria stated in the Request for Bid document, if any. Joint ventures are eligible to submit Bids provided that:
6. Every member of the joint venture must be registered with the CIDB in the General Building (GB) class of work.
7. The combined contractor grading designation of the members 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 bid for a 4GB or Higher class of construction work.
8. The members/parties have signed a joint venture agreement.

C.2.7	The arrangements for the compulsory clarification meeting, if any, are as stated in the Request for Bid Notice (T1.1). A Request for Bid will not be considered if the Bidder or their representative has not attended the compulsory briefing session. Bidders must sign the attendance register in the name of the bidding entity. Addenda will be issued to and Request for Bids will be received only from those bidding entities appearing on the attendance register. Request for Bid documents will not be issued at the clarification meeting.
C.2.8	Request clarification at least 5 working days before the closing time.
C2.11	All documents must be completed and signed in black permanent ink. No correction fluid must be used in the document. Incomplete bid responses may be disqualified or evaluated solely on the information contained in the bid. The ECDoE may disregard any content in the request for bid that is illegible and will be under no obligation whatsoever to seek clarification from the bidder.
C.2.12	If a Bidder wishes to submit an alternative Request for Bid offer, the only criteria permitted for such alternative Request for Bid offer is that it demonstrably satisfies the employer's standards and requirements, the details of which may be obtained from the Employer's Agent. Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative Request for Bid offer to enable the employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal. Acceptance of an alternative Request for Bid offer will mean acceptance in principle of the offer. It will be an obligation of the contract for the Bidder, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the employer's standards and requirements. The modified Pricing Data must include an amount equal to 5% of the amount bid for the alternative offer to cover the employer's costs of confirming the acceptability of the detailed design before it is constructed. **Alternative Bid offer permitted:** **Yes** ☐ **No** ☒
C.2.13 C.2.15	The employer's address for delivery of Request for Bid offers and identification details to be shown on each Request for Bid offer package are as per Request for Bid Notice (T1.1) and Invitation to Bid (SBD 1)
C.2.13.5	Request for Bid offers shall be submitted as originals only.
C.2.13.6	A two-envelope system is not required.
C.2.13.9	Telephonic, telegraphic, telex, facsimile, emailed, electronic copy or late offers will not be accepted.
C.2.15	The closing time for submission of Request for Bid offers is as per the Request for Bid Notice (T1.1) and the Invitation to Bid (SBD 1).

C.2.16	The Request for Bid offer validity period is as per the Request for Bid Notice (T1.1) and the Invitation to Bid (SBD 1).
C.2.17	Provide clarification of the Request for Bid offer in response to do so from the employer during the evaluation of Request for Bid offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of Bidders or substance of the Request for Bid offer is sought, offered, or permitted.
C.2.22	Not a requirement
C.2.23	Refer to Parts 1, 2 & 3 for certificates and other documents to be submitted with the Request for Bid.
C.3.4	The time and location for opening of the Request for Bid offers are as per the Request for Bid Notice (T1.1).
C.3.11	Financial Offer and Preference will be evaluated as follows: The 80/20 preference point system will be applicable with 80 points allocated to Price and 20 points towards Specific Goals status level of contribution. The score for price is calculated using the following formula: $$Ps = 80\left(1 - \frac{Pt - P\min}{P\min}\right)$$ Where: Ps = Points scored for price of bid under consideration; Pt = Price of bid under consideration and Pmin = Price of lowest acceptable bid. A trust, consortium or joint venture will qualify for points for their Specific Goals.
C.3.13	**Request for Bid offers will only be accepted if:** 1. The Bidder 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; 2. The Bidder has not: a. Abused the Employer's Supply Chain Management System; or b. Failed to perform on any previous contract and has been given a written notice to this effect; 3. The Bidder has completed the compulsory declarations and there are no conflicts of interest, which may impact on the Bidder's ability to perform the contract in the best interests of the employer or potentially compromise the Request for Bid process; 4. The Bidder is registered with the Construction Industry Development Board in an appropriate contractor grading designation; The Bidder is in good standing with a Compensation Fund.
C.3.17	The number of paper copies of the signed contract to be provided by the employer is **1 (one)** copy of the signed contract to the successful Bidder.

T1.3 BID EVALUATION CRITERIA

T1.3: BID EVALUATION CRITERIA

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**		
Bid No:	**SCMU6-26/27-0009**		
Advertising date:	**20 November 2026**	**Closing date:**	**11 December 2026**
Closing time:	11h00	Validity period	120 Days

	BID EVALUATION CRITERIA
	This bid will be evaluated in Two (2) phases as follows: **Phase One**: Compliance, and responsiveness to the bid rules and conditions, thereafter they will be evaluated on PPPFA. **Phase Two:** Bidders passing the stage above will thereafter be evaluated on PPPFA. Maximum points on price - **80 points** Maximum points for Specific goals - **20 points** **Maximum points** - **100 points** **Phase 1: Compliance, and responsiveness to the bid rules and conditions** **Bidders must comply with the following Bid conditions in order to proceed to Phase Two Of Evaluation:–** 1. Priced Bills of Quantities must be submitted. 2. Bidders are required to have a CIDB contractor Grading designation **4GB** or Higher. Proof of Cidb Registration or CRS number must be submitted with the bid. 3. Bids which are late will not be accepted. 4. A valid Letter of Good Standing from the Compensation Fund or licensed insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act 1993 must be submitted with Bid 5. Failure to complete all supplementary information and the RETURNABLE SCHEDULES may result in the request for Bid being eliminated. 6. Tender Forms (Form C1.1: Form of offer and acceptance) that are incomplete or incorrectly completed will result in elimination of that tender The Department reserves the right, in accordance with the Preferential Procurement Policy Framework Act (PPPFA), the Preferential Procurement Regulations 2022, and its Supply Chain Management Policy, not to award a contract to the highest-scoring bidder where objective criteria and other justifiable grounds warrant such a decision. In exercising this discretion, the Department may consider factors including, but not limited to, the bidder's past performance, capacity to execute the contract, existing contractual commitments, risk assessment outcomes, and any other considerations that may impact the successful delivery of the project. Any decision not to award to the highest-scoring bidder will be fully justified, documented, and approved in accordance with the applicable legislative and policy framework. **Failure to submit the following completed and signed compulsory documents will result in elimination of the bid**:

FORM C1.1	Tender Forms (Form C1.1: Form of offer and acceptance) that ar incomplete or incorrectly completed will result in elimination of th tender	Mandatory Requirement
SBD4	Declaration of interest	Mandatory Requirement
SBD6.1	Preference points claim form in terms of Preferential Procurement Regulations 2022	Non-Elimination, to be submitted for the purposes of claiming points for Specific Goals.
T2.2.1	Certificate of authority for signatory	Mandatory Requirement
T2.2.2	Certificate of authority for joint ventures (if applicable)	Mandatory Requirement
T2.2.6	Capacity of Bidder	Additional documents
T2.2.7	Relevant project experience – Completed projects	Additional documents
T2.2.8	Relevant project experience - current projects	Additional documents
T2.2.10	Compulsory enterprise questionnaire	Mandatory Requirement
T2.2.11	CIDB grading certificate or CRS No.	Mandatory Requirement
T2.2.12	Other certificates (certified copies to be inserted by Bidder), etc	Mandatory Requirement
	• A valid Letter of Good Standing from Compensation Fund or licensed insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act 1993	Mandatory Requirement
T2.2.13	Completed project reference forms	Additional documents
	• Priced BoQ	Mandatory Requirement

Phase Two: Bidders passing the stage above will thereafter be evaluated on PPPFA.

PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT (PPPFA) POINTS WILL BE AWARDED AS FOLLOWS:

Maximum points on price - **80 points**
Maximum points for Specific goals **-** **20 points**
Maximum points **-** **100 points**

Part 2: AGREEMENT AND CONTRACT DATA

C1.1 Form of Offer and Acceptance

C1.1: FORM OF OFFER AND ACCEPTANCE

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

OFFER

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the: **APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**

The Bidder, identified in the offer signature block, has examined the documents listed in the Request for Bid data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of Request for Bid.

By the representative of the Bidder, deemed to be duly authorized, 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

……

……Rand (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 Request for Bid data, whereupon the Bidder becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature(s) ……..…… ……...

Name(s) ……. ……...

Capacity ……. ……....

for the Bidder ……

……..……..
(Name and address of organization)

Name and signature of witness ……..……... Date ……..

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 C1 Agreements and contract data, (which includes this agreement)

Part C2 Pricing data

Part C3 Scope of work.

Part C4 Site information and drawings and documents or parts thereof, which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the Request for Bid data and any addenda thereto as listed in the returnable 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 form of offer and acceptance. No amendments to or deviations from said documents are valid unless contained in this schedule.

The Bidder shall within 2 (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 securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. 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 5 (five) working 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.

Signature(s) ……..…… ……...…

Name(s) ……. ……...

Capacity ……. ..…….....

for the Employer ..…….

..…….
(Name and address of organization)

Name and signature of witness …. ……..…….……...… Date …….……..

Schedule of Deviations

Notes:

1. *The extent of deviations from the Request for Bid documents issued by the employer before the Request for Bid closing date is limited to those permitted in terms of the conditions of Request for Bid.*
2. *A Bidder's covering 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 Request for Bid 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 Request for Bid documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.*

1. Subject _____

   Details _____

2. Subject _____

   Details _____

3. Subject _____

   Details _____

4. Subject _____

   Details _____

By the duly authorised representatives signing this agreement, the employer and the Bidder agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the Request for Bid data and addenda thereto as listed in the Request for Bid schedules, as well as any confirmation, clarification or changes 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 Request for Bid/ Bid 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.

C1.1a Final Summary of Bills of Quantities

FINAL SUMMARY

Section No		Page No		Amount
1	Section No.1 : Preliminaries	32		
2	Section No 2: Demolitions, etc	36		
3	Section No.3 : Renovations	65		
4	Section No.4 : Ablutions	123		
5	Section 5: Alternative Building Technology	127		
6	Section No.6 : External Works	137		
7	Section No.7 : Provisional Sums	138		
	Total for Volume II, Building Works:		R	
	CONTINGENCIES			
	Allow five per cent (5%) of the above sub-total for contingencies to be used as directed and deducted in whole or in part if not required.		R	
	Sub Total		R	
	Add Value Added Tax at the rate of 15%		R	
	Carried to Form of Tender		R	

C1.1b Standard Conditions of Tender

CIDB Standard Conditions of Tender (August 2019 Edition)

(As contained in Annexure C of the CIDB Standard for Uniformity in Engineering and Construction Works Contracts in Board Notice 423 of 2019 in Government Gazette No 42622 of 8 August 2019)

C.1 General

C.1.1 Actions

C.1.1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in C.2 and C.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anticompetitive practices.

C.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Bidders shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.
2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.

C.1.1.3 The employer shall not seek and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

C.1.2 Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the tender data.

C.1.3 Interpretation

C.1.3.1 The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

C.1.3.2 These conditions of tender, the tender data and tender schedules which are required for tender evaluation purposes, shall form part of any contract arising from the invitation to tender.

C.1.3.3 For the purposes of these conditions of tender, the following definitions apply:

a) **conflict of interest** means any situation in which:
   i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfill his or her duties impartially;
   ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
   iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.

b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;

c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;

d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels;

C.1.4 Communication and employer's agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be readily read, copied and recorded. Communications shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the tender data.

C.1.5 Cancellation and Re-Invitation of Tenders

C.1.5.1 An employer may, prior to the award of the tender, cancel a tender if:
a) due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation;
b) funds are no longer available to cover the total envisaged expenditure; or
c) no acceptable tenders are received.
d) there is a material irregularity in the tender process.

C.1.5.2 The decision to cancel a tender invitation must be published in the same manner in which the original tender invitation was advertised

C.1.5.3 An employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.

C.1.6 Procurement procedures

C.1.6.1 General

Unless otherwise stated in the tender data, a contract will, subject to C.3.13, be concluded with the tenderer who in terms of C.3.11 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.

C.1.6.2 Competitive negotiation procedure

C.1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, Bidders shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of C.3.4, the employer shall announce only the names of the Bidders who make a submission. The requirements of C.8 relating to the material deviations or qualifications which affect the competitive position of Bidders shall not apply.

C.1.6.2.2 All responsive Bidders or at least a minimum of not less than three responsive Bidders that are highest ranked in terms of the evaluation criteria stated in the tender data shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information. Notwithstanding the provisions of C.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

C.1.6.2.3 At the conclusion of each round of negotiations, Bidders shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Bidders shall be advised when they are to submit their best and final offer.

C.1.6.2.4 The contract shall be awarded in accordance with the provisions of C.3.11 and C.3.13 after Bidders have been requested to submit their best and final offer.

C.1.6.3 Proposal procedure using the two stage-system

C.1.6.3.1 Option 1

Bidders shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these

conditions of tender.

C.1.6.3.2 Option 2

C.1.6.3.2.1 Bidders shall submit in the first stage only technical proposals. The employer shall invite all responsive Bidders to submit tender offers in the second stage, following the issuing of procurement documents.

C.1.6.3.2.2 The employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data, and award the contract in terms of these conditions of tender.

C.2 Tenderer's obligations

C.2.1 Eligibility

C.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.

C.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

C.2.2 Cost of tendering

C.2.2.1 Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.

C.2.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

C.2.3 Check documents

Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

C.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

C.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

C.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

C.2.7 Clarification meeting

Attend, where required, a clarification meeting at which Bidders may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

C.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five (5) working days before the closing time stated in the tender data.

C.2.9 Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.

C.2.10 Pricing the tender offer

C.2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes except Value Added Tax (VAT), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable fourteen (14) days before the closing time stated in the tender data.

C.2.10.2 Show VAT payable by the employer separately as an addition to the tendered total of the prices.

C.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.

C.2.10.4 State the rates and prices in Rand unless instructed otherwise in the tender data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

C.2.11 Alterations to documents

Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

C.2.12 Alternative tender offers

C.2.12.1 Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

C.2.12.2 Accept that an alternative tender offer must be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.

C.2.12.3 An alternative tender offer must only be considered if the main tender offer is the winning tender.

C.2.13 Submitting a tender offer

C.2.13.1 Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works identified in the contract data and described in the
C.2.13.2
C.2.13.3
C.2.13.4 , unless stated otherwise in the tender data.

C.2.13.5 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

C.2.13.6 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

C.2.13.7 Sign the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for Bidders proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

C.2.13.8 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

C.2.13.9 Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked “financial proposal” and place the remaining returnable documents in an envelope marked “technical proposal”. Each envelope shall state on the outside the employer’s address and identification details stated in the tender data, as well as the tenderer's name and contact address.

C.2.13.10 Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.

C.2.13.11 Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

C.2.13.12 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

C.2.14 Information and data to be completed in all respects

Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.

C.2.15 Closing time

C.2.15.1 Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

C.2.15.2 Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

C.2.16 Tender offer validity

C.2.16.1 Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.

C.2.16.2 If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.

C.2.16.3 Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer’s agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period stated in C.2.16 lapses before the employer evaluating tender, the contractor reserves the right to review the price based on Consumer Price Index (CPI).

C.2.16.4 Where a tender submission is to be substituted, a tenderer must submit a substitute tender in accordance with the requirements of C.2.13 with the packages clearly marked as “SUBSTITUTE”.

C.2.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of Bidders or substance of the tender offer is sought, offered, or permitted.

Note: *Sub-clause C.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.*

C.2.18 Provide other material

C.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment. Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employer's request, the employer may regard the tender offer as non-responsive.

C.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

C.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.

C.2.20 Submit securities, bonds and policies

If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the contract data.

C.2.21 Check final draft

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

C.2.22 Return of other tender documents

If so instructed by the employer, return all retained tender documents within twenty-eight (28) days after the expiry of the validity period stated in the tender data.

C.2.23 Certificates

Include in the tender submission or provide the employer with any certificates as stated in the tender data.

C.3 The employer's undertakings

C.3.1 Respond to requests from the tenderer

C.3.1.1 Unless otherwise stated in the tender Data, respond to a request for clarification received up to five (5) working days before the tender closing time stated in the Tender Data and notify all Bidders who collected tender documents.

C.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:
a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

C.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three (3) working days before the

tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all Bidders who collected tender documents.

C.3.3 Return late tender offers

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

C.3.4 Opening of tender submissions

C.3.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of Bidders' agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

C.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, number of points claimed for its Specific Goals status level and time for completion for the main tender offer only.

C.3.4.3 Make available the record outlined in C.3.4.2 to all interested persons upon request.

C.3.5 Two-envelope system

C.3.5.1 Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of Bidders' agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

C.3.5.2 Evaluate functionality of the technical proposals offered by Bidders, then advise Bidders who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of Bidders, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any points claimed on Specific Goals status level. Return unopened financial proposals to Bidders whose technical proposals failed to achieve the minimum number of points for functionality.

C.3.6 Non-disclosure

Not disclose to Bidders, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

C.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

C.3.8 Test for responsiveness

C.3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:
a) complies with the requirements of these Conditions of Tender,
b) has been properly and fully completed and signed, and
c) is responsive to the other requirements of the tender documents.

C.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer*'s* opinion, would:
a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work*,*

b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
c) affect the competitive position of other Bidders presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

C.3.9 Arithmetical errors, omissions and discrepancies

C.3.9.1 Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.

C.3.9.2 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with C.3.11 for:
a) the gross misplacement of the decimal point in any unit rate;
b) omissions made in completing the pricing schedule or bills of quantities; or
c) arithmetic errors in:
(i) line item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
(ii) the summation of the prices.

C.3.9.3 Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.

C.3.9.4 Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:
a) If bills of quantities or pricing schedules apply and there is an error in the line item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line item total as quoted shall govern, and the unit rate shall be corrected.
b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

C.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

C.3.11 Evaluation of tender offers

The Standard Conditions of Tender standardize the procurement processes, methods and procedures from the time that tenders are invited to the time that a contract is awarded. They are generic in nature and are made project specific through choices that are made in developing the Tender Data associated with a specific project.

Conditions of tender are by definition the document that establishes a tenderer’s obligations in submitting a tender and the employer’s undertakings in soliciting and evaluating tender offers. Such conditions establish the rules from the time a tender is advertised to the time that a contract is awarded and require employers to conduct the process of offer and acceptance in terms of a set of standard procedures.

The CIDB Standard Conditions of Tender are based on a procurement system that satisfies the following system requirements:	
Requirement	**Qualitative interpretation of goal**
Fair	The process of offer and acceptance is conducted impartially without bias, providing simultaneous and timely access to participating parties to the same information.
Equitable	Terms and conditions for performing the work do not unfairly prejudice the interests of the parties.
Transparent	The only grounds for not awarding a contract to a tenderer who satisfies all requirements are restrictions from doing business with the employer, lack of capability or capacity, legal impediments and conflicts of interest.
Competitive	The system provides for appropriate levels of competition to ensure cost effective and best value

	outcomes.
Cost effective	The processes, procedures and methods are standardized with sufficient flexibility to attain best value outcomes in respect of quality, timing and price, and least resources to effectively manage and control procurement processes.

The activities associated with evaluating tender offers are as follows:

a) Open and record tender offers received
b) Determine whether or not tender offers are complete
c) Determine whether or not tender offers are responsive
d) Evaluate tender offers
e) Determine if there are any grounds for disqualification
f) Determine acceptability of preferred tenderer
g) Prepare a tender evaluation report
h) Confirm the recommendation contained in the tender evaluation report

C.3.11.1 General

The employer must appoint an evaluation panel of not less than three persons conversant with the proposed scope of works to evaluate each responsive tender offer using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

C.3.12 Insurance provided by the employer

If requested by the proposed successful tenderer, submit for the tenderer*'s* information the policies and / or certificates of insurance which the conditions of contract identified in the contract data, require the employer to provide.

C.3.13 Acceptance of tender offer

Accept the tender offer; if in the opinion of the employer, it does not present any risk and only if the tenderer:
a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement;
b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract;
c) has the legal capacity to enter into the contract;
d) is not; insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act No. 2008, bankrupt or being wound up, has his/her affairs administered by a court or a judicial officer, has suspended his/her business activities or is subject to legal proceedings in respect of any of the foregoing;
e) complies with the legal requirements, if any, stated in the tender data; and
f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

C.3.14 Prepare contract documents

C.3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:
a) addenda issued during the tender period,
b) inclusion of some of the returnable documents and
c) other revisions agreed between the employer and the successful tenderer.

C.3.14.2 Complete the schedule of deviations attached to the form of offer and acceptance, if any.

C.3.15 Complete adjudicator's contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

C.3.16 Registration of the award

An employer must, within twenty-one (21) working days from the date on which a contractor's offer to perform a construction works contract is accepted in writing by the employer, register and publish the award on the cidb Register of Projects.

C.3.17 Provide copies of the contracts

Provide to the successful tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

C.3.18 Provide written reasons for actions taken

Provide upon request written reasons to Bidders for any action that is taken in applying these conditions of tender but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of Bidders or might prejudice fair competition between Bidders.

---oo0oo---

PART C1.2: CONTRACT DATA

The Joint Building Contracts Committee® - NPC
CONTRACT DATA
For use by ORGANS OF STATE and other PUBLIC SECTOR BODIES
Principal Building Agreement
Edition 6.2 - May 2018

A PROJECT INFORMATION

A1.0 Works [1.1]

Project name	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Reference number	**SCMU6-26/27-0009**
Works description	Refer to document C3 – Scope of Work

A2.0 Site [1.1]

Erf / stand number	Refer to document C4 – Site Information
Township / Suburb	MT FLETCHER
Site address	Refer to document C4 – Site Information
Local authority	JOE GQABI - Elundini Local Municipality

A3.0 Employer [1.1]

Official Name of Organ of State / Public Sector Body	**Eastern Cape Department of Education**
Business registration number	N/A
VAT/ number	N/A
Country	South Africa
Employer's representative: Name	MS. SA Maasdorp - Head of Department Eastern Cape Department of Education
Telephone number	+27 40 608 4200

Physical address	**EASTERN CAPE DEPARTMENT OF EDUCATION:** **SUPPLY CHAIN MANAGEMENT OFFICE,** **STEVE VUKILE TSHWETE EDUCATION COMPLEX,** **ZONE 6** **ZWELITSHA.**

A4.0 Principal Agent [1.1]

Name	**TBC**			
Legal entity of above				
Practice number				
Country				
Postal address				
Physical address				

A5.0 Agent [1.1]

Discipline				
Name				
Legal entity of above				
Practice number				
Country				
Postal address				
Physical address				

A6.0 Agent [1.1]

Discipline				
Name				
Legal entity of above				
Practice number				
Country				
Postal address				
Physical address				

A7.0 Agent [1.1]

Discipline					
Name					
Legal entity of above					
Practice number					
Country					
Postal address					
Physical address					

A8.0 Agent [1.1]

Discipline					
Name					
Legal entity of above					
Practice number					
Country					
Postal address					
Physical address					

A9.0 Agent [1.1]

Discipline					
Name					
Legal entity of above					
Practice number					
Country					
Postal address					
Physical address					

A10.0 Agent [1.1]

Discipline					
Name					
Legal entity of above					
Practice number					
Country					
Postal address					
Physical address					

A11.0 Agent [1.1]

Discipline					
Name					
Legal entity of above					
Practice number					
Country					
Postal address					
Physical address					

A12.0 Agent [1.1]

Discipline					
Name					
Legal entity of above					
Practice number					
Country					
Postal address					
Physical address					

B CONTRACT INFORMATION

B 1.0 Definitions [1.1]

Bills of quantities: System/Method of measurement	**Standard System of Measuring Building Work (Seventh Edition) 2015**

B 2.0 Law, regulations, and notices [2.0]

Law applicable to the **works**, state country [2.1]	**Republic of South Africa**

B 3.0 Offer and acceptance [3.0]

Currency applicable to this **agreement** [3.2]	**South African Rand**

B 4.0 Documents [5.0]

The original signed **agreement** is to be held by the **principal agent** [5.2], if not, indicate by whom	**Employer**
Number of copies of **construction information** issued to the **contractor** at no cost [5.6]	**Three (3)**

Documents comprising the **agreement**	Page numbers
The **JBCC®** Principal Building Agreement, Edition 6.2 May 2018	1 to 30
The **JBCC®** Principal Building Agreement - Contract Data for Organs of State and other Public Sector Bodies, Edition 6.2 May 2018	1 to 14
The **JBCC®** General Preliminaries for use with the **JBCC®** Principal Building Agreement, Edition 6.2 May 2018	1 to 7

Contract drawings – description	Number	Revision	Date
As per Drawings listed Annexure A & C			

B 5.0 Employer's Agents [6.0]

Authority is delegated to the following **agents** to issue **contract instructions** and perform duties for specific aspects of the **works** [6.2]
Principal Agent

Principal agent's and **agents'** interest or involvement in the **works** other than a professional interest [6.3]
None

B 6.0 Insurances [10.0]

Insurances by **employer**			Amount including tax	Deductible amount including tax
Yes / No:	**No**			
Contract works insurance:				
	New **works** [10.1.1] (**Contract sum** or amount)			
or	**Works** with **practical completion** in **sections** [10.2] (**contract sum** or amount			
or	**Works** with alterations and additions [10.3] (reinstatement value of existing structures with or including new **works**)			
	Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance			
	Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance			
	Escalation, professional fees and reinstatement costs if not included above			
Total of the above contract works insurance amount				
Supplementary insurance [10.1.2; 10.2]				
Public liability insurance [10.1.3; 10.2]				
Removal of lateral support insurance [10.1.4; 10.2]				
Other insurances [10.1.5]				
Yes/ No?	No	If yes, description 1		
Yes/ No?	No	If yes, description 2		

and/or

Insurances by **Contractor**		Amount including tax	Deductible amount including tax
Yes / No:	**Yes**		
	New **works** [10.1.1] (**Contract sum** or amount)	N/A	N/A
or	**Works** with **practical completion** in **sections** [10.2] (**contract sum** or amount)	**To the minimum value of the contract sum + 10%**	**With a deductible not exceeding 5% of each and every claim**

or	**Works** with alterations and additions [10.3] (reinstatement value of existing structures with or including new **works**)	**To the minimum value of the contract sum + 10%**	**With a deductible not exceeding 5% of each and every claim**
	Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance	N/A	
	Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance	N/A	
	Escalation, professional fees and reinstatement costs if not included above	N/A	
Total of the above contract works insurance amount		To the minimum value of the contract sum + 10%	
Supplementary insurance [10.1.2; 10.2]		No	
Public liability insurance [10.1.3; 10.2]		R5 million	
Removal of lateral support insurance [10.1.4; 10.2]		No	
Other insurances [10.1.5]			
Yes/ No?	No	If yes, description 1	
Yes/ No?	No	If yes, description 2	

B 7.0 Obligations of the employer [12.1]

Existing premises will be in use and occupied [12.1.2]	**Yes / No?**	**Yes**
If yes, description	The Contractor will, throughout the entire period of the works, be responsible for the proper and adequate protection of property and the public and ECDOEs personnel from damage or injury resultant from the works and for the proper security of the site at all times during the course of the works. Further, the Contractor must allow for all temporary hoardings, walkways, etc. required by the Local Authorities, National Building Regulations. OHS Act and or demanded by his own requirements. All allowances for the safe removal and disposal of asbestos material are deemed to be priced in the removal of existing roofing and other asbestos containing material. Allowance must further be made for periodic adjustment of any hoardings/ temporary fencing and for their eventual removal and for making good. All other temporary fencing hoardings etc. Required must be priced for in the Preliminaries of these Bills of Quantities. Allowance must be made for periodic adjustment of any hoardings aligned to the project phasing and for their eventual removal and for making good. The contractor shall keep the site, structures, etc. well-watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent.	
Restriction of working hours [12.1.2]	**Yes / No?**	**Yes**
If yes, description	07h30 to 17h00 Weekdays only. Work required to be executed outside of these hours must be arranged with the Facilities Manager and the management of the school, in advance. No costs shall be claimable connected thereto.	

Natural features and known services to be preserved by the contractor [12.1.3]		**Yes / No?**	**Yes**
If yes, description	Existing services that are to be preserved are indicated in the existing service layout plan.		
Restrictions to the site or areas that the contractor may not occupy [12.1.4]		**Yes / No?**	**Yes**
If yes, description	Work areas and restricted areas are defined on the drawing specifying the site establishment.		
Supply of free issue [12.1.10]		**Yes / No?**	**No**
If yes, description			

B 8.0 Nominated subcontractors [14.0]

Yes / No?	**No**	**If yes, description of specialisation**
Specialisation 1		
Specialisation 2		
Specialisation 3		
Specialisation 4		
Specialisation 5		
Specialisation 6		
Specialisation 7		
Specialisation 8		
Specialisation 9		

B 9.0 Selected subcontractors [15.0]

Yes / No?	**Yes**	**If yes, description of specialisation**
Specialisation 1		Electrical and Lightning Protection
Specialisation 2		
Specialisation 3		
Specialization 4		
Specialization 5		
Specialisation 6		
Specialisation 7		
Specialisation 8		
Specialisation 9		
Specialisation 10		

B 10.0 Direct contractors [16.0]

Yes / No?	**No**	**If yes, description of extent of work**
Extent of work [12.1.11]		

Extent of work [12.1.11]	
Extent of work [12.1.11]	
Extent of work [12.1.11]	
Extent of work [12.1.11]	

B 11.0 Description of sections [20.1]

Section 1	
Section 2	
Section 3	
Section 4	
Section 5	
Section 6	

B 12.0 Possession of site [12.1.5], practical completion [19.0; 20.0] and penalty [24.0]

Practical completion for the works as a whole	Intended date of possession of the site Refer B17.0 [12.1.5; 12.2.22]	Period for inspection by the principal agent [19.3]	The date for practical completion shall be the period as indicated below from the date of possession of the site by the contractor [12.2.7; 24.1]	Penalty for late completion [24.1]
	X	working days -	Period in months	Penalty amount per calendar day (excl. tax)
	X	**2 Days**	**8 Months**	**5.75c per R100 of contract**

or where **sections** are applicable

Practical completion of a section of the works	Intended date of possession of the site Refer B16.0 [B4.1]	Period for inspection by the principal agent [19.3]	The date for practical completion shall be the period as indicated below from the date of possession of the site by the contractor [12.2.7; 24.1]	Penalty for late completion [24.1]
	X	Working days	Period in months	Penalty amount per calendar day (excl. tax)
Section 1	X			
Section 2	X			
Section 3	X			
Section 4	X			

Section 5				
Section 6				
Section 7				
Section 8				
Remainder of the				

Criteria to achieve **practical completion** not covered in the definition of **practical completion**
No further Criteria

B 13.0 Defects liability period [21.0]

Extended defects liability period: Refer B17.0 [21.13]	**Yes / No?**	**Yes**
If yes, description of applicable elements	**The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect to all works.**	

B 14.0 Payments [25.0]

Date of month for issue of regular **payment certificates** [25.2]	**15th**		
Contract price adjustment / Cost fluctuations [25.3.4; 26.9.5]	**Yes / No?**	**No**	**Base Month:**
If yes, method to calculate			
Employer shall pay the **contractor** within: [25.10]	**Thirty (30) calendar days**		

B 15.0 Dispute resolution [30.0]

Adjudication [30.6.1; 30.10] Name of nominating body	**N/A**	
Applicable rules for adjudication [30.6.2]	**N/A**	
Arbitration [30.7.4; 30.10]	**Yes / No?**	**No**
If Yes, name of nominating body *If No, then dispute will be referred to litigation		
Applicable rules for arbitration [30.7.5]	N/A	

B 16.0 JBCC® General Preliminaries – selections

Provisional bills of quantities [B2.2]		**Yes / No?**	**Yes**
Availability of construction information – is the construction information complete? [B2.3]		**Yes / No?**	**No**
Previous work - dimensional accuracy - details of previous contract(s) [B3.1]		N/A	
Previous work - **defects** - details of previous contract(s) [B3.2]		N/A	
Inspection of adjoining properties - details [B3.3]		N/A	
Handover of **site** in stages - specific requirements [B4.1]		Yes, Might have to work on specific blocks at a given time allocation	
Enclosure of the **works** - specific requirements [B4.2]		The contractor will be restricted to work only within the area demarcated for that specific project work section as per site establishment drawings.	
Geotechnical and other investigations - specific requirements [B4.3]		N/A	
Existing premises occupied - details [B4.5]		YES	
Services - known - specific requirements [B4.6]		No	
Water [B8.1]	By **contractor**	**Yes / No?**	**Yes**
	By **employer**	**Yes / No?**	**No**
	By **employer** – metered	**Yes / No?**	**No**
Electricity [B8.2]	By **contractor**	**Yes / No?**	**Yes**
	By **employer**	**Yes / No?**	**No**
	By **employer** – metered	**Yes / No?**	**No**
Ablution and welfare facilities [B8.3]	By **contractor**	**Yes / No?**	**Yes**
	By **employer**	**Yes / No?**	**No**
Communication facilities - specific requirements [B8.4]		No specific requirements(Cellular,Email)	
Protection of the works - specific requirements [B11.1]		Yes. Refer to decanting plan and Scope of Works and Health and Safety Plan which are annexed to this BID document	

Protection / isolation of existing works and works occupied in sections - specific requirements [B11.2]	Yes. Refer to decanting plan and Scope of Works and Health and Safety Plan which are annexed to this BID document
Disturbance - specific requirements [B11.5]	Yes. Refer to decanting plan and Scope of Works and Health and Safety Plan which are annexed to this BID document
Environmental disturbance - specific requirements [B11.6]	N/A

B 17.0 Changes made to JBCC® documentation

Reference may be made to other documents forming part of this **agreement**

1.1 Definitions

AGREEMENT: The completed Form of Offer and Acceptance, the completed **JBCC®** Principal Building Agreement and **JBCC® contract data for organs of state and other public sector bodies, the contract drawings, the priced document** and any other documents reduced to writing and signed by the authorised representatives of the **parties**

CONSTRUCTION PERIOD: The period commencing on the date of possession of the **site** by the **contractor** and ending on the date of **practical completion**

CONTRACT PERIOD: The period commencing on the date of the Employer accepting the offer by signing the Form of Offer and Acceptance and ending on the date of final completion

COST FLUCTUATION shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule

DEFAULT INTEREST: No Clause

GUARANTEE FOR CONSTRUCTION: A security in terms of the ECDOE's Guarantee for Construction form/s, obtained by the contractor from an institution approved by the employer [CD]

CONTRACT DATA FOR ORGANS OF STATE AND OTHER PUBLIC SECTOR BODIES: The document listing the Organs of State and other Public Sector Bodies' requirements and the project specific information

INTEREST: The interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999), calculated as simple interest, in respect of debts owing to the State, and will be the rate as determined by the Minister of Justice and Constitutional Development from time to time 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999), calculated as simple interest, in respect of debts owing by the State

LETTER OF ACCEPTANCE: The letter of formal acceptance of the Contractor's or Service Provider's Tender / Bid, issued and signed by the Employer

PAYMENT CERTIFICATE: A certificate issued at regular agreed intervals [CD] by the principal agent to the parties certifying the amount due and payable in terms of Clause 25.3

PRINCIPAL AGENT: The person or entity appointed by the **employer** and named in the **contract data for organs of state and other public sector bodies**. In the event of a principal agent not being appointed, then all the duties and obligations of a **principal agent** as detailed in the **agreement** shall be fulfilled by the employer's representative as named in the **contract data for organs of state and other public sector bodies**

3.0 Offer and Acceptance

Amend 3.3 to read as follows:

This **agreement** shall come into force on the date as stated on the Form of Offer and Acceptance and continue to be of force and effect until the end of the **latent defects** liability period [22.0] notwithstanding termination [29.0] or the certification of **final completion** [21.0] and final payment [25.0]

4.0 Cession and Assignment

Replace Clause 4.3 with the following:

Where a contractor cedes any right or any monies due to or to become due under this agreement as security in favour of a financial institution, the prior written consent of the employer, which consent shall not be unreasonably withheld, must be obtained

5.0 Documents

Replace Clause 5.4 with the following:

The Bills of Quantities shall not be used as a specification of material and goods or methods unless so instructed by the Principal Agent. The contractor may not use the Bills of Quantities for purpose of ordering material. All dimensions and quantities must be determined on site before ordering. In the event of discrepancy between the drawings and Bills of Quantity, the drawings shall take preference

Replace Clause 5.5 with the following:

The parties may publish or disclose on any platform only the contract scope and contract amount

6.0 Employer's Agents

Replace Clause 6.5 with the following:

Where the principal agent and/or an agent fails to act or is unable to act or ceases to be the principal agent or an agent in terms of this agreement, the employer shall appoint another principal agent and/or an agent

Add the following as 6.7:

In terms of the clauses listed hereunder, the **employer** has retained its authority and has not given a mandate to the **principal agent**. The **employer** shall sign all documents in relation to clauses 4.2, 14.1.2,14.1.4, 14.4.1, 14.6, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12 and 28.4

8.0 Works Risk

Replace Clause 8.4 with the following**:**

The **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary

9.0 Indemnities

9.2.7: Add the following to the end of the first sentence: "…. due to no fault of the **contractor**"
9.2.9 No Clause
9.2.10 No Clause

Add the following as clause 9.3**:**

The employer's rights to claim damages for the contractor's omissions and actions will not be affected.

10.0 Insurances

Add the following as 10.1.5.1:

Hi risk Insurance

In the event of the project being executed in a geological area classified as a “High Risk Area”, that is an area which is subject to highly unstable sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.1.5.1.1 Damage to **the works**

The contractor shall, from the date of possession of the **site** until the date of the **certificate of practical completion**, bear the full risk of and hereby indemnifies and holds harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary

When so instructed to do so by the **principal agent**, the **contractor** shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**, at the **contractor’s** own costs

10.1.5.1.2 Injury **to persons or loss of or damage to property**

The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property, or personal property, or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract

10.1.5.1.3

It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the **contractor’s** obligations in terms of the contract, the **contractor** shall, within twenty-one (21) **calendar days** of the date of possession of the site, but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so

10.1.5.1.4

The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the **contractor’s** default of his obligations as set out in 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered one indivisible whole

11.0 Securities

Replace Clauses 11.1, 11.1.1, 11.1.2, 11.2.1 and 11.2.2 with the following:

The security to be provided by the contractor to the employer will be a fixed construction guarantee of 10% of the contract value.

11.3 No Clause
11.4 No Clause
11.5 No Clause
11.6 No Clause
11.6 No Clause
11.7 No Clause
11.8 No Clause
11.9 No Clause
11.10 No Clause

12.0 Obligations of the Parties

12.1.1 No Clause

Replace Clause 12.1.5 with the following:

Give possession of the site to the contractor within ten (10) working days after the appointment of all SMME contractor packages, approval of the Health and Safety Plan and Department of Labour - Notice of Commencement of Construction, after the contractor complied with the terms of 12.2.22

12.1.6 No Clause

12.1.8 No Clause

Replace Clause 12.2.2 with the following:
The priced Bills must be submitted as part of the returnable documents. Where the priced document contains errors or discrepancies and/or prices considered by the employer or principal agent to be imbalanced or unreasonable the employer or principal agent and the contractor shall adjust such prices without any change to the contract sum

Replace Clause 12.2.5 with the following:
Effect and keep in force insurances in favour of the employer as beneficiary where the contractor is responsible for providing insurances [10.0) [CD]

Replace Clause 12.2.13 with the following:
Designate a competent person full time on site to continuously administer and control the works on site and to receive and implement notices and contract instructions on behalf of the contractor

Add the following as Clause 12.2.22:
Within fourteen (14) working days of the date of the letter of acceptance submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

Add the following as Clause 12.2.23:
The contractor shall within reasonable time inform the agents regarding inspection of the works before covering / closing [B 12.0]

19.0 Practical Completion

Replace Clause 19.5 with the following:

On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section.

21.0 Defects Liability Period and Final Completion

Clause 21.0

Replace Clause 21.1 with the following:
The defects liability period for the works shall commence on the calendar day following the date of works completion and end at midnight (00:00) ninety (90) calendar days from the date of works completion [CD] or when work on the list for completion has been satisfactorily attended to [21.6), whichever is the later (if we use works completion)

Replace Clause 21.6 with the following:
On the expiry of the ninety (90) calendar days defects liability period [21.1] for items not indicated as items with an extended liability as indicated in B14 and on receipt of the contractor's notice to the principal agent

And/or

On the expiry of the defects liability period as indicated in B14, for items indicated in B14 and on receipt of the contractor's notice to the principal agent, the principal agent shall:

(1) inspect the works and within ten (10) working days either issue a list for final completion detailing all outstanding work or defects that must be attended to, or rectified to achieve final completion or
(2) issue the certificate of final completion to the contractor with a copy to the employer for that part of the works where defects liability period has expired

21.6.1 Omit Clause

21.6.2 Omit Clause

Add the following as Clause 21.13:
The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect of the listed applicable elements in B14

Add the following as Clause 21.14:
Penalties will be applied if the items on the completion list have not been attended to within a period of ninety (90) calendar days [21.1]. If additional defect items have being added to the list during this period, then the Principal Agent and Contractor will agree on a revised completion date. Failing in achieving the revised date will result in penalties being applied.[B12.0

23.0 Latent Defects Liability Period

22.3.2 No Clause

24.0 Penalty for Late and Non-completion

Replace Clause 24.1 with the following:
Where the contractor fails to bring the works, or a section thereof, to practical or final- completion by the applicable completion date [CD], or the revised applicable completion date, the contractor shall be liable to the employer for the penalty [CD]

Replace Clause 24.2 with the following:
Where the employer elects to levy such penalty the employer, or the principal agent on instruction from the employer, shall give notice thereof to the contractor. The principal agent shall determine the penalty due from the later of the date for practical- works-, or final- completion [CD], or the revised date for practical- works-, or final- completion, up to and including the earlier of:

Replace Clause 24.2.1 with the following:
The actual or deemed date of practical or final- completion, of the works, or a section thereof [23.7.1]

25.0 Payment

Replace Clause 25.2 with the following:

The principal agent shall issue at regular agreed intervals [CD] payment certificates, to the contractor with a copy to the employer, up to and including practical completion. Interim Payment certificates may be issued to the contractor between practical completion and the final payment certificate. A payment certificate may be for a nil or negative amount

Add the following to Clause 25.3:
25.3.12 Tax Invoice

25.5 No Clause

Replace Clause 25.6 with the following:

Materials and goods will only be certified and paid for upon providing proof of full payment to the supplier and proof of transfer of ownership from the supplier to the contractor by the contractor. Once paid, material and goods shall become the property of the employer and shall not be removed from site without the written authority of the Employer.

25.7.5 No clause.

Replace Clause 25.10 with the following:

The employer shall pay the contractor the amount stipulated in an issued payment certificate, correct in all material respects, within thirty (30) calendar days from the date of receiving the payment certificate, invoice and all other substantiating documentation for items certified in the payment certificate

25.10: Delete the words “and/or **compensatory interest**”

Replace Clauses 25.12 to 25.12.3 with the following:

Clause 25.12

The value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

25.12.1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion

25.12.2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion

25.12.3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26
25.12.4 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate.
25.14.2: Not applicable

26.0 Adjustment of the Contract Value and Final Account

Ref Clause 6.7 [CD] – Clause 26.1

Omit Clause 26.4.3

Ref Clause 6.7 [CD] – Clause 26.7

Replace Clause 26.10 with the following**:**

The principal agent shall prepare the final account in consultation with the employer and issue the final account, to the contractor within sixty (60) working days of the date of practical completion

27.0 Recovery of Expense and/or Loss

Clause 27.0

Replace Clause 27.1.2 with the following:
Interest due to late payment only

Replace Clause 27.1.4 with the following:
Interest due to late payment only

27.1.5 No Clause

Replace Clause 27.5 with the following:
Where the employer decides to recover an amount due in terms of 27.2 from a construction guarantee, cash deposit or retention money held as security, the employer shall issue a written demand to the contractor before recovering the amount. Should such amount not be paid to the employer within fourteen (14) calendar days of the date-of notice by the employer, the employer may recover such an amount from the security

29.0 Termination

Clause 29.0

Add the following as Clause 29.1.4:
The contractor's estate has been sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

Add the following as Clause 29.1.5:
The contractor has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

Add the following as Clause 29.1.6:
Honour his obligations in terms of Clauses 10.1.5.1.3, 11.4.1 and 12.2. sub-Clauses 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 19, 20, 22.

Replace Clause 29.7 with the following:
The employer, on notice to the contractor, may recover damages from the contractor from the date of termination including, but not limited to, additional costs incurred in the completion, consultant cost, rental of alternative accommodation, invitation of completion tenders, salaries of officials and safeguarding the site, of the remaining work [25.3.7; 27.1.3]

Replace Clause 29.9 with the following:
The employer has the right of recovery against the contractor, where applicable, [CD] from:

The payment reduction until the final payment is made;

29.14.1 No Clause

29.14.3 No Clause

29.14.4 No Clause

29.14.5 No Clause

29.14.6 No Clause

29.14.7 No Clause

29.15 No Clause

29.16 No Clause

29.17.3 No Clause

29.17.6 No Clause

29.21.5 No Clause

29.22 No Clause

29.23 No Clause

29.25.3 No Clause

29.25.4 No Clause

29.27 No Clause

30.0 Dispute Resolution

Replace Clause 30.2 with the following:
Where such disagreement is not resolved within ten (10) working days of receipt of such notice it shall be deemed to be a dispute and shall be submitted to Mediation as a first method of dispute resolution failing which the parties will resort to Litigation

30.3 to 30.7.7 No Clauses

Replace Clause 30.8 with the following:
The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event:

30.8.1 No Clause

Replace Clause 30.8.2 with the following:
The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties

Replace Clause 30.8.3 with the following:
Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses.

Replace Clause 30.9 with the following:
Institution of Litigation shall be commenced, and process served within three (3) year from the date of existence of the dispute, failing which the dispute shall lapse

30.10 No Clause

30.12 No Clause

Add the following additional Clause.

It is a condition of contract that:

The contractor shall achieve in the performance of the contract the Contract Skills Development Goal (CSDG) established in the CIDB Standard for Developing Skills through Infrastructure Contracts, published in Gazette Notice No.48491 of 28 April 2023.

The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the cidb Standard for Indirect Targeting for Enterprise Development through Construction works Contracts, published in Gazette Notice No.36190 of 25 February 2013.

The main contractor shall provide a minimum Contract Participation Goal (CPG) of 5% of the total project value and develop targeted enterprises in two agreed developmental areas as per clause 3.2.1 of the Indirect Targeting Standard (Gazette Notice No.36190 of 25 February 2013).

The Contractor shall make an allowance for local labour and as well SMME participation as stipulated by the regulations

C TENDERER'S SELECTIONS

C 1.0 Security [11.0]

Guarantee for construction:	**Option:**	**A**

Option A	**Fixed construction guarantee of 10% of the contract**

Guarantee for payment by **employer** [11.5.1; 11.10]	Not Applicable
Advance payment, subject to a **guarantee for advance payment** [11.2.2; 11.3]	YES only if agreed

C 2.0 Contractor's annual holiday periods during the construction period

Year 1 **contractor's** annual holiday period	start date		end date	

Year 2 **contractor's** annual holiday period	start date		end date	
Year 3 **contractor's** annual holiday period	start date		end date	

C 3.0 Payment of preliminaries [25.0]

Contractor's selection: Select Option A or B	**Option:**	

Where the contractor does not select an option, Option A shall apply

Payment methods

Option A	The **preliminaries** shall be paid in accordance with an amount prorated to the value of the **works** executed in the same ratio as the amount of the **preliminaries** to the **contract sum**, which **contract sum** shall exclude the amount of **preliminaries**. Contingency sum(s) and any provision for cost fluctuations shall be excluded for the calculation of the aforesaid ratio
Option B	The **preliminaries** shall be paid in accordance with an amount agreed by the **principal agent** and the **contractor** in terms of the **priced document** to identify an initial establishment charge, a time-related charge and a final dis-establishment charge. Payment of the time-related charge shall be assessed by the **principal agent** and adjusted from time to time as may be necessary to take into account the rate of progress of the **works**

Lump sum contract

Where the amount of **preliminaries** is not provided it shall be taken as 7.5% (seven and a half per cent) of the **contract sum**, excluding contingency sum(s) and any provision for cost fluctuations.

C 4.0 Adjustment of preliminaries [26.9.4]

Contractor's selection: Select Option A or B	**Option:**	

Where the contractor does not select an option, Option A shall apply

Provision of particulars

The **contractor** shall provide the particulars for the purpose of the adjustment of **preliminaries** in terms of his selection. Where completion in sections **is** required, the **contractor** shall provide an apportionment of **preliminaries** per **section**

Option A	An allocation of the **preliminaries** amounts into Fixed, Value-related and Time-related amounts as defined for adjustment method Option A below, within fifteen (15) **working days** of the date of acceptance of the tender
Option B	A detailed breakdown of the preliminaries amounts within fifteen (15) working **days of** possession of the site. Such breakdown shall include, inter alia, the administrative and supervisory staff, the use of **construction equipment**, establishment and dis-establishment charges, insurances and guarantees, all in terms of the **programme**

Adjustment Methods

The amount of **preliminaries** shall be adjusted to take account of the effect which changes in time and/or value have on **preliminaries**. Such adjustment shall be based on the particulars provided by the **contractor** for this purpose in terms of Options A or B, shall preclude any further adjustment of the amount of **preliminaries** and shall apply notwithstanding the actual employment of resources by the **contractor** in the execution of the **works**

Option A	The **preliminaries** shall be adjusted in accordance with the allocation of **preliminaries** amounts provided by the **contractor,** apportioned to **sections** where completion in **sections** is required Fixed - An amount which shall not be varied Value-related - An amount varied in proportion to the **contract value** as compared to the **contract sum**. Both the **contract sum** and the **contract value** shall exclude the amount of **preliminaries**, contingency sum(s) and any provision for cost fluctuations Time-related - An amount varied in proportion to the number of **calendar days** extension to the date of **practical completion** to which the **contractor** is entitled with an adjustment of the **contract value** [23.2; 23.3] as compared to the number of **calendar days** in the initial **construction period** [26.9.4]
Option B	The adjustment of **preliminaries** shall be based on the number of **calendar days** extension to the date of **practical completion** to which the **contractor** is entitled with an adjustment of the **contract value** [23.2; 23.3] as compared to the number of **calendar days** in the initial **construction period** [26.9.4] The adjustment shall take into account the resources as set out in the detailed breakdown of the **preliminaries** for the period of construction during which the delay occurred

Failure to provide particulars within the period stated

Option A	Where the allocation of **preliminaries** amounts for Option A is not provided, the following allocation of **preliminaries** amounts shall apply: Fixed - Ten per cent (10%) Value-related - Fifteen per cent (15%) Time-related - Seventy-five per cent (75%) Where the apportionment of the **preliminaries** per **section** is not provided, the categorized amounts shall be prorated to the cost of each **section** within the **contract sum** as determined by the **principal agent**
Option B	Where the detailed breakdown of **preliminaries** amounts for Option B is not provided, Option A shall apply

Lump sum contract

Where the amount of **preliminaries** is not provided it shall be taken as 7.5% (seven and a half per cent) Of the **contract sum**, excluding contingency sum(s) and any provision for cost fluctuations

C1.3 Form of Guarantee

C 1.3.1: FIXED CONSTRUCTION GUARANTEE - JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 6.2)

Project title:	APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL
Request for SCMU No:	**SCMU6-26/27-0009**

GUARANTEE FOR CONSTRUCTION (PRO-FORMA)

Guarantee for Construction

For use with the JBCC® Principal Building Agreement edition /date

GUARANTOR DETAILS AND DEFINITIONS

Guarantor:			
Physical Address:			
Guarantor's signatory 1:		Capacity	
Guarantor's signatory 2:		Capacity	
Employer:			
Contractor:			
Principal Agent:			
Works:			
Site:			
Contract Sum:	Accepted amount inclusive of tax	Currency	
Amount in words:			
Guaranteed Sum:	The maximum aggregate amount	Currency	
Amount in words:			
Guarantee for Construction:	*(Insert Variable or Fixed)*		
Expiry Date:			

AGREEMENT DETAILS

Sections:	Total number / not applicable	Last Section	
Principal Agent issues	JBCC® format Recovery Statement, Interim Payment Certificates, the Final Payment Certificate, the Certificate of Practical Completion and the Certificate of Final Completion		

1.0 GUARANTEE FOR CONSTRUCTION (Variable)

1.1 Where a Guarantee for Construction (Variable) in terms of the Agreement has been selected this clause 1.0 and 3.0 to 13.0 shall apply. The Guarantor's liability shall be limited to the diminishing amounts of the Guaranteed Sum as follows:-

GUARANTOR'S LIABILITY	PERIOD OF LIABILITY
1.1.1 Maximum Guaranteed Sum (not exceeding 10.0% of the contract sum) in the amount of:	From and including the date of issue of this Guarantee for Construction and up to and including the date of issue of the Interim Payment Certificate certifying in excess of 50% of the contract sum
Amount in words:	

1.1.2	Reducing to the Guaranteed Sum (not exceeding 6.0% of the contract sum) in the amount of:	From and including the day after the date of the aforesaid Interim Payment Certificate and up to and including the date of issue of the only Certificate of Practical Completion or last Certificate of Practical Completion where there are sections

Amount in words:

1.1.3	Reducing to the Guaranteed Sum (not exceeding 4.0% of the contract sum) in the amount of:	From and including the day after the date of the applicable Certificate of Practical Completion and up to and including the date of issue of the only Certificate of Final Completion or the last Certificate of Final Completion where there are sections

Amount in words:

1.1.4	Reducing to the Guaranteed Sum (not exceeding 2.0% of the contract sum) in the amount of:	From and including the day after the date of the applicable Certificate of Final Completion and up to and including the date of issue of the Final Payment Certificate where payment is due to the Contractor, whereafter this Guarantee for Construction shall expire. Where the Final Payment Certificate reflects payment due to the Employer, this Guarantee for Construction shall expire upon payment of the full amount certified

Amount in words:

1.2 The Guarantor's liability limits set out in 1.1.1 to 1.1.4 shall apply in respect of any claim received by the Guarantor during the guarantee validity period

2.0 GUARANTEE FOR CONSTRUCTION (Fixed)

2.1 Where a Guarantee for Construction (fixed) in terms of the Agreement has been selected this clause 2.0 and 3.0 to 13.0 shall apply. The Guarantor's liability shall be limited to the amount of the Guaranteed Sum as follows:

GUARANTOR'S LIABILITY	PERIOD OF LIABILITY
Maximum Guaranteed Sum (not exceeding 5.0% of the contract sum) in the amount of:	From and including the date of issue of this Guarantee for Construction and up to and including the date of the only Certificate of Practical Completion or the last Certificate of Practical Completion where there are sections, whereafter this Guarantee for Construction shall expire

Amount in words:

3.0 The Guarantor acknowledges that:

3.1 Any reference in this Guarantee for Construction to the Agreement is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention to create a suretyship;

3.2 Its obligation under this Guarantee for Construction is restricted to the payment of money; and

3.3 Reference to a Recovery Statement or an Interim or Final Payment Certificate, or a Certificate(s) of Practical or Final Completion shall mean such certificate issued by the Principal Agent.

4.0 Subject to the Guarantor's maximum liability referred to in 1.0 or 2.0, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 4.1 to 4. 3:

Part 3: Returnable Schedules/Documents

T2.1 List of Returnable Documents

2.1: LIST OF RETURNABLE DOCUMENTS

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**		
Principal Agent:	Eastern Cape Province Department of Education	**Bid No:**	**SCMU6-26/27-0009**

1. **RETURNABLE DOCUMENTS REQUIRED FOR TENDEER EVALUATION PURPOSES**
(Insert a tick in the "Returnable document" column to indicate which documents must be returned with the Bid)

Bid Document Name	Number of pages issued	Returnable Document
Declaration of Interest (SBD4)	3 Pages	☒ Yes ☐ No
Preference points claim form in terms of Preferential Procurement Regulations 2022 (SBD 6.1)	6 Pages	☒ Yes ☐ No
Certificate of Authority for Signatory (T2.2.1)	1 Page	☒ Yes ☐ No
Certificate of Authority for Joint Ventures (T2.2.2) (if applicable)	1 Page	☒ Yes ☐ No
Schedule of Proposed Subcontractors (T2.2.3)	1 Page	☐ Yes ☒ No
Final Summary Page of Bills of Quantities (C1.1a)	1 Page	☒Yes ☐ No
Completed Project Reference Forms (T2.2.13)	6 Pages	☐Yes ☒ No

2. **OTHER DOCUMENTS REQUIRED FOR REQUEST FOR BID EVALUATION PURPOSES**

Bid Document Name	Number of pages issued	Returnable Document
Site Inspection Certificate (T2.2.4)	1 Page	☐ Yes ☒ No
Capacity of the Bidder (T2.2.6)	1 Page	☐ Yes ☒ No
Relevant Project Experience - Completed Projects (T2.2.7)	1 Page	☐ Yes ☒ No
Relevant Project Experience - Current Projects (T2.2.8)	1 Page	☐ Yes ☒ No
CIDB Grading Certificate (T2.2.11)	1 Page	☒ Yes ☐ No
Letter of Good Standing from Compensation Fund (T2.2.12)	1 Page	☒ Yes ☐ No
Proof of Locality of Head Office (T2.2.12)	1 Page	☒ Yes ☐ No

3. **RETURNABLE DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT**

Bid Document Name	Number of pages issued	Returnable Document
Record of Addenda to Request for Bid Documents (T2.2.5)	1 Page	☒ Yes ☐ No
Schedule of Plant and Equipment (T2.2.9)	1 Page	☐ Yes ☒ No
Compulsory Enterprise Questionnaire (T2.2.10)	1 Page	☒ Yes ☐ No

4. OTHER DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

Bid Document Name	Number of pages issued	Returnable Document
Form of Offer and Acceptance (C1.1)	3 Pages	☒ Yes ☐ No
Contract Data (C1.2)	14 Pages	☒ Yes ☐ No
Applicable form of Guarantee (C1.3)	4 Pages	☐ Yes ☒ No
Priced Bills of Quantities including Preliminaries (C2.2)	70 Pages	☒Yes ☐ No

T2.2 Returnable schedules

SBD 4 : BIDDER'S DISCLOSURE

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

1.1 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, 1996 (Constitution), and further expressed in the various applicable legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

1.2 If a person 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. DECLARATION ON EMPLOYMENT BY ORGAN OF STATE

2.1 Is the bidder, or any of the directors / trustees / shareholders / members / partners of the bidder employed by an organ of state, as defined in section 239 of the Constitution? **YES/NO**

2.2 If YES, furnish particulars of the names, individual identity numbers, in the table below:

Full Name	**Identity Number**	**Name of organ of state**

1. 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.

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

2.3.1 If so, furnish particulars:

……
……
……

2.4 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**

2.4.1 If so, indicate all companies registered in the CSD in the table below:

Supplier registration number (MAAA)	**Status (active/inactive/deleted)**

Failure to disclose all CSD-registered active companies linked to all Directors will lead to disqualification**.**

3 GENERAL DECLARATION

I, ……....., the undersigned, 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 to be false.

3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor.

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.

3.5 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.

3.6 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.

3.7 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, 1998 (Act No. 89 of 1998) and or may be referred to law enforcement agencies for criminal investigation and or may be restricted from conducting business with the state for a period not exceeding 10 years in terms of the Prevention and Combating of Corrupt Activities Act, 2004 (Act No. 12 of 2004) or any other applicable legislation.

I CERTIFY THAT THE ABOVE IS CORRECT.

I ACCEPT THAT THE PROCURING INSTITUTION MAY REJECT THE BID OR TAKE

APPROPRIATE ACTION AGAINST ME IF THIS DECLARATION IS FALSE.

…… ……
Signature Date

…… ……...
Designation Name of bidder

SBD 5 : The National Industrial Participation Programme

This document must be signed and submitted together with your bid

THE NATIONAL INDUSTRIAL PARTICIPATION PROGRAMME

INTRODUCTION

The National Industrial Participation (NIP) Programme, which is applicable to all government procurement contracts that have an imported content, became effective on the 1 September 1996. The NIP policy and guidelines were fully endorsed by Cabinet on 30 April 1997. In terms of the Cabinet decision, all state and parastatal purchases / lease contracts (for goods, works and services) entered into after this date, are subject to the NIP requirements. NIP is obligatory and therefore must be complied with. The Industrial Participation Secretariat (IPS) of the Department of Trade and Industry (DTI) is charged with the responsibility of administering the programme.

1 PILLARS OF PROGRAMME

1.1 The NIP obligation is benchmarked on the imported content of the contract. Any contract having an imported content equal to or exceeding US$ 10 million or other currency equivalent to US$ 10 million will have a NIP obligation. This threshold of US$ 10 million can be reached as follows:

(a) Any single contract with imported content exceeding US$10 million.

or

(b) Multiple contracts for the same goods, works or services each with imported content exceeding US$3 million awarded to one seller over a 2 year period which in total exceeds US$10 million.

or

(c) A contract with a renewable option clause, where should the option be exercised the total value of the imported content will exceed US$10 million.

or

(d) Multiple suppliers of the same goods, works or services under the same contract, where the value of the imported content of each allocation is equal to or exceeds US$ 3 million worth of goods, works or services to the same government institution, which in total over a two (2) year period exceeds US$10 million.

1.2 The NIP obligation applicable to suppliers in respect of sub-paragraphs 1.1 (a) to 1.1 (c) above will amount to 30 % of the imported content whilst suppliers in respect of paragraph 1.1 (d) shall incur 30% of the total NIP obligation on a *pro-rata* basis.

1.3 To satisfy the NIP obligation, the DTI would negotiate and conclude

agreements such as investments, joint ventures, sub-contracting, licensee production, export promotion, sourcing arrangements and research and development (R&D) with partners or suppliers.

1.4 A period of seven years has been identified as the time frame within which to discharge the obligation.

2 REQUIREMENTS OF THE DEPARTMENT OF TRADE AND

2.1 In order to ensure effective implementation of the programme, successful bidders (contractors) are required to, immediately after the award of a contract that is in excess of **R10 million** (ten million Rands), submit details of such a contract to the DTI for reporting purposes.

2.2 The purpose for reporting details of contracts in excess of the amount of R10 million (ten million Rands) is to cater for multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as provided for in paragraphs 1.1.(b) to 1.1. (d) above.

3 BID SUBMISSION AND CONTRACT REPORTING REQUIREMENTS OF BIDDERS AND SUCCESSFUL BIDDERS (CONTRACTORS)

3.1 Bidders are required to sign and submit this Standard Bidding Document (SBD 5) together with the bid on the closing date and time.

3.2 In order to accommodate multiple contracts for the same goods, works or services; renewable contracts and multiple suppliers for the same goods, works or services under the same contract as indicated in sub-paragraphs 1.1 (b) to 1.1
(d) above and to enable the DTI in determining the NIP obligation, successful bidders (contractors) are required, immediately after being officially notified about any successful bid with a value in excess of R10 million (ten million Rands), to contact and furnish the DTI with the following information:

- Bid / contract number.
- Description of the goods, works or services.
- Date on which the contract was accepted.
- Name, address and contact details of the government institution.
- Value of the contract.
- Imported content of the contract, if possible.

3.3 The information required in paragraph 3.2 above must be sent to the Department of Trade and Industry, Private Bag X 84, Pretoria, 0001 for the attention of Mr Elias Malapane within five (5) working days after award of the contract. Mr Malapane may be contacted on

telephone (012) 394 1401, facsimile (012) 394 2401 or e-mail at Elias@thedti.gov.za for further details about the programme.

4 PROCESS TO SATISFY THE NIP OBLIGATION

4.1 Once the successful bidder (contractor) has made contact with and furnished the DTI with the information required, the following steps will be followed:

a. the contractor and the DTI will determine the NIP obligation;
b. the contractor and the DTI will sign the NIP obligation agreement;
c. the contractor will submit a performance guarantee to the DTI;
d. the contractor will submit a business concept for consideration and approval by the DTI;
e. upon approval of the business concept by the DTI, the contractor will submit detailed business plans outlining the business concepts;
f. the contractor will implement the business plans; and
g. the contractor will submit bi-annual progress reports on approved plans to the DTI.

4.1 The NIP obligation agreement is between the DTI and the successful bidder (contractor) and, therefore, does not involve the purchasing institution.

Bid number …….. Closing date:……

Name of bidder……

Postal address ……

……

Signature…….. Name (in print)……..

Date……..

SBD 6.1 : Preference Points Claim Form

SBD 6.1

PREFERENCE POINTS CLAIM FORM

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**

(*delete whichever is not applicable for this tender*).

~~a) The applicable preference point system for this tender is the 90/10 preference point system.~~

b) The applicable preference point system for this tender is the 80/20 preference point system.

c) ~~Either the 90/10 or 80/20 preference point system will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received~~.

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;

(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:

80/20 **or** **90/10**

$$Ps = 80\left(1 - \frac{Pt - P\,min}{P\,min}\right) \text{ or } \quad Ps = 90\left(1 - \frac{Pt - P\,min}{P\,min}\right)$$

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:

80/20 **or** **90/10**

$$Ps = 80\left(1 + \frac{Pt - P\,max}{P\,max}\right) \text{ or } \quad Ps = 90\left(1 + \frac{Pt - P\,max}{Pmax}\right)$$

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—

(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.

(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.*)**

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Historically disadvantaged individuals	2	4		
Persons with disabilities	1	2		
Promotion of Youth	1	3		
Woman Participation	2	3		
Enterprises located in the Eastern Cape Province	2	4		
Enterprises located in the JOE GQABI District Municipality	2	4		

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm……..

4.4. Company registration number: ……...

4.5. 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]

4.6. 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:	……
	……
	……
	……

T2.2.1 Certificate of Authority for Signatory

T2.2.1: CERTIFICATE OF AUTHORITY FOR SIGNATORY

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

NOTE: Bidders can use this form or attach a separate Letter of Authority for Signatory

Signatory for companies shall confirm their authority hereto by attaching a duly signed and dated copy of the relevant resolution of the board of directors to this form on the company's letterhead.

"By resolution of the board of directors passed at a meeting held on _____

Mr/Ms_____, whose signature appears below, has been duly authorised to

sign all documents in connection with the bidder for Contract No. _____

and any Contract which may arise there from on behalf of (Block Capitals) _____

_____

_____

SIGNED ON BEHALF OF THE COMPANY: _____

IN HIS/HER CAPACITY AS: _____

DATE:_____

SIGNATURE OF SIGNATORY: _____

WITNESSES:

1._____ SIGNATURE: _____

2. _____ SIGNATURE:_____

T2.2.2 Certificate of Authority for Joint Ventures

T2.2.2: CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

This returnable schedule is to be completed by joint ventures.

We, the undersigned, are submitting this Request for Bid in Joint Venture and hereby authorise Mr/Ms _____, of the company _____ _____, acting in the capacity of lead partner, to sign all documents in connection with the Request for Bid and any contract resulting from it on our behalf.

Name of Firm	**Address**	**Duly Authorised Signatory**
Lead Partner _____		Signature: _____ Name:_____ Designation:_____
_____		Signature: _____ Name:_____ Designation:_____
_____		Signature: _____ Name:_____ Designation:_____
_____		Signature: _____ Name:_____ Designation:_____

T2.2.4 Site Inspection Certificate

T2.2.4: SITE INSPECTION CERTIFICATE

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

I/We have visited the site for the above-mentioned works at the date specified below.

I/We have thoroughly studied the site, plans and contract documents and I/We have brought myself/ourselves fully conversant with all aspects which could possibly influence the construction of the works.

I/We further certify that I/We am/are satisfied with the description of the works and the explanation given to me/us by the Representative/Agent at the inspection and I/We fully understand the extent of the work to be done as specified and implied for the execution of this contract.

Both attendance Register and Site inspection certificate could be used to verify attendance.

Date of Inspection: **27 November 2026**

Time of Inspection: 11H00

_____

Name of Tenderer

_____

Signature of Tender

_____

Signature of Representative/Agent

_____

Date

T2.2.5 Record of Addenda to Request for Bid Documents

T2.2.5: RECORD OF ADDENDA TO BID DOCUMENTS

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

We confirm that the following communications received from the Employer before the submission of this Request for Bid offer, amending the Request for Bid documents, have been taken into account in this Request for Bid offer:

	Date	**Title or Details**
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Attach additional pages if more space is required.

Signed ..... Date .....

Name ..... Position .....

Bidder .....

T2.2.6 Capacity of Bidder

T2.2.6: CAPACITY OF THE BIDDER

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

WORK CAPACITY: (The Bidder is requested to furnish the following capacity particulars and to attach additional pages if more space is required. Details of project team including CV, qualifications and proof of registration completed for each individual to be provided by Bidder. Failure to furnish the particulars may result in the Bid being disregarded.)

Artisans and Employees: (Artisans and Employees to be, or are, employed for this project)

Quantity / No. of Resources	Categories of Employee - Key Personnel (part of Business Enterprise)	Professional Registration No.	Date of Employment
	Site Agent		
	Project Manager		
	Foreman		
	Quality Control & Safety Officer-Construction Supervisor		
	Artisans		
	Unskilled employees		
	Others		

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the Bidder are within my personal knowledge and are to the best of my knowledge both true and correct.

Signed:	……	Date:	……
Name:	……	Position:	……

Bidder: ……..……..……..

T2.2.7 Relevant Project Experience - Completed Projects

T2.2.7: RELEVANT PROJECT EXPERIENCE – COMPLETED PROJECTS

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

Bidders must submit a max one-page description of at least three projects successfully completed.

Attach a Completion Certificate for each of the project provided.

The description of each project must include the following information:

1. Essential introductory information:
   1.1. Name of project.
   1.2. Name of client.
   1.3. Contact details of client.
   1.4. Contact details (including telephone numbers and email addresses) of currently contactable references.
   1.5. The period during which the project was performed, and also, if this is different, the period during which the Bidder's team members were contracted.
   1.6. Cost of works and/or contract value (making it clear in broad terms what this cost/value purchased, and to what extent (if any) this cost/value was part of a larger project budget or programme budget).

NO.	NAME OF PROJECT	NAME OF CLIENT	CONTACT DETAILS OF CLIENT	PROJECT VALUE	DATE COMPLETED
1					
2					
3					

Example only

Attach a separate page to address this issue (the above table is just for reference purposes).

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the Bidder are within my personal knowledge and are to the best of my knowledge both true and correct.

Signed ..... Date .....

Name ..... Position .....

Bidder .....

T2.2.8 Relevant Project Experience - Current Projects

T2.2.8: RELEVANT PROJECT EXPERIENCE – CURRENT PROJECTS

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

Bidders must submit a max one-page description of at least three projects under construction/ on hold/ just handed over/ towards completion (if they exist).

Attach an Appointment letter for each of the project provided.

The description of each project must include the following information:

2. Essential introductory information:
   - 2.1. Name of project.
   - 2.2. Name of client.
   - 2.3. Contact details of client.
   - 2.4. Contact details (including telephone numbers and email addresses) of currently contactable references.
   - 2.5. The period during which the project was performed, and also, if this is different, the period during which the Bidder's team members were contracted.
   - 2.6. Cost of works and/or contract value (making it clear in broad terms what this cost/value purchased, and to what extent (if any) this cost/value was part of a larger project budget or programme budget).

NO.	NAME OF PROJECT	NAME OF CLIENT	CONTACT DETAILS OF CLIENT	CONTACT DETAILS OF REFERENCES	PROJECT VALUE	STAGE OF PROJECT
1						
2						
3						

Example only

Attach a separate page to address this issue (the above table is just for reference purposes).

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the Bidder are within my personal knowledge and are to the best of my knowledge both true and correct.

Signed ..... Date .....

Name ..... Position .....

Bidder .....

T2.2.9 Schedule of Plant & Equipment

T2.2.9: SCHEDULE OF PLANT AND EQUIPMENT

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

The following are lists of major items of relevant equipment that I/we presently own or lease and will have available for this contract or will acquire or hire for this contract if my/our Bid is accepted.

(a) Details of major equipment that is owned by and immediately available for this contract.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

(b) Details of major equipment that will be hired, or acquired for this contract if my/our Bid is acceptable.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

Signed ..... Date .....

Name ..... Position .....

Bidder _____

T2.2.10 Compulsory Enterprise Questionnaire

T2.2.10: COMPULSORY ENTERPRISE QUESTIONNAIRE

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: CSD number:

Section 5: Particulars of sole proprietors and partners in partnerships:

Name*	**Identity number***	**Personal income tax number***

**Complete only if sole proprietor or partnership and attach separate page if more than 3 partners*

Section 6: Particulars of companies and close corporations

Company registration number:

Close corporation number:

Tax reference number:

Section 7: SBD4 issued by National Treasury must be completed for each Bidder and be attached as a Request for Bid requirement.

Section 8: SBD6 issued by National Treasury must be completed for each Bidder and be attached as a Request for Bid requirement.

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise:

i) authorizes the employer to verify the Bidders tax clearance status from the South African Revenue Services that it is in order;
ii) confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
iv) confirms that I / we are not associated, linked or involved with any other bidding entities submitting Request for Bid offers and have no other relationship with any of the Bidders or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and
v) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed		Date	
Name		Position	
Enterprise name			

T2.2.11 CIDB Grading Certificate / Proof of Registration

T2.2.11: CIDB GRADING CERTIFICATE/PROOF OF REGISTRATION

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

Bidders are required to submit with their Request for Bid:

A Certificate of Contractor Registration issued by the Construction Industry Development Board.

NOTE: PROOF OF CIDB GRADING TO BE ATTACHED TO THIS PAGE BY BIDDER
IN THE CASE OF A JOINT VENTURE, SEPARATE CERTIFICATES IN RESPECT OF EACH PARTNER MUST BE SUBMITTED

T2.2.12 Other certificates, etc.

T2.2.12: OTHER CERTIFICATES, ETC TO BE PROVIDED BY BIDDER

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Request for Bid No:	**SCMU6-26/27-0009**

Bidders are required to submit with their Request for Bid:

- Letter of Good Standing from Compensation Fund or a licensed insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act 1993
- Proof of locality of head office by way of certified copy of municipal account or lease agreement

NOTE: CERTIFICATES, ETC TO BE ATTACHED TO THE RELEVANT PAGE HEREAFTER

Insert Letter of Good Standing from Compensation Fund

T2.2.13 Insert Completed Project Reference Forms

PROJECT REFERENCE RETURNABLE 1 OF 3

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

NOTE: This returnable document must be completed by the person who was the principal agent on a construction project of similar value and complexity that was completed successfully by the Bidder.

I, _____ (name and surname) of

_____ (company name) declare

that I was the principal agent on the following building construction project successfully

executed by _____ (name of Bidder):

Project name: _____

Project location: _____

Construction period: _____ Completion date: _____

Contract value: _____

A. Please evaluate the performance of the Bidder on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

	Very Poor 1	Poor 2	Fair 3	Good 4	Excellent 5
1. Project performance / time management / programming					
2. Quality of workmanship					
3. Resources: Personnel					
4. Resources: Plant					
5. Financial management / payment of subcontractors / cash flow, etc					

B. Would you consider / recommend this Bidder again:

YES	NO

C. Any other comments:

_____

_____

D. My contact details are:

Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 20__

_____
Signature of principal agent

COMPANY STAMP

NOTE:

If reference cannot be verified due to the inability to contact the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points.

_____
Name of Bidder

_____ _____
Signature of Bidder Date

PROJECT REFERENCE RETURNABLE 2 OF 3

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

NOTE: This returnable document must be completed by the person who was the principal agent on a construction project of similar value and complexity that was completed successfully by the Bidder.

I, _____ (name and surname) of

_____ (company name) declare

that I was the principal agent on the following building construction project successfully

executed by _____ (name of Bidder):

Project name: _____

Project location: _____

Construction period: _____ Completion date: _____

Contract value: _____

A. Please evaluate the performance of the Bidder on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

	Very Poor 1	Poor 2	Fair 3	Good 4	Excellent 5
1. Project performance / time management / programming					
2. Quality of workmanship					
3. Resources: Personnel					
4. Resources: Plant					
5. Financial management / payment of subcontractors / cash flow, etc					

B. Would you consider / recommend this Bidder again:

YES	NO

C. Any other comments:

_____

_____

D. My contact details are:

Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 20__

_____
Signature of principal agent

COMPANY STAMP

NOTE:

If reference cannot be verified due to the inability to contact the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points.

_____
Name of Bidder

_____ _____
Signature of Bidder Date

PROJECT REFERENCE RETURNABLE 3 OF 3

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

NOTE: This returnable document must be completed by the person who was the principal agent on an construction project of similar value and complexity that was completed successfully by the Bidder.

I, _____ (name and surname) of

_____ (company name) declare

that I was the principal agent on the following building construction project successfully

executed by _____ (name of Bidder):

Project name: _____

Project location: _____

Construction period: _____ Completion date: _____

Contract value: _____

A. Please evaluate the performance of the Bidder on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

	Very Poor 1	Poor 2	Fair 3	Good 4	Excellent 5
1. Project performance / time management / programming					
2. Quality of workmanship					
3. Resources: Personnel					
4. Resources: Plant					
5. Financial management / payment of subcontractors / cash flow, etc					

B. Would you consider / recommend this Bidder again:

YES	NO

C. Any other comments:

_____

_____

D. My contact details are:

Telephone: _____ Cellphone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 20__

_____
Signature of principal agent

COMPANY STAMP

NOTE:

If reference cannot be verified due to the inability to contact the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points.

_____
Name of Bidder

_____ _____
Signature of Bidder Date

THE CONTRACT

Part 4: Scope of Work

C3.1 Scope of work

C3.1: SCOPE OF WORKS – JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 6.2)

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Request for Bid No:	**SCMU6-26/27-0009**

C3. Scope of Works

1. GENERAL

a) EXTENT OF THE WORKS

The work comprises of:

Scope of works:
Block A & D
- o Demolish 5 classroom block and replace with 3 prefabricated classroom block.
- o Demolish 4 pit ablution structures and replace with 3 new ablutions blocks

Block C
- o Service & waterproof roof sheeting
- o Replace barge boards.
- o Provide new gutters
- o Repair rafter and purlin ends.
- o Minor repairs and paintwork to building.

a) ORDER OF THE WORKS

N/A

b) BUILDING OCCUPIED

Yes

c) ACCESS – Gravel Road

C3.2 Health and Safety Specification

Province of the
EASTERN CAPE
DEPARTMENT OF EDUCATION

OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

FOR

CONSTRUCTION & REFURBISHMENT OF EC SCHOOLS (SMALL PROJECTS)

EASTERN CAPE DEPARTMENT OF EDUCATION

(THE "CLIENT")

Prepared By:	Dr. Claire Deacon CHSA010/2013
Last revision 23/03/2026 By:	Ntokozo Ngwenya

Table of Contents

Site Details: 28
REFERENCES 28
1. LIST OF ABBREVIATIONS 28
2. Purpose of the Site Specific Health and Safety Specification (SSHSS) 29
2.1 Project description/detailed scope of work as it applies to the project (Details as per the scope of work) 30
2.2 Programme Description 30
3. Implementation of the Site Specific Occupational Health and Safety Specifications (SSHSS) 30
4. GENERAL REQUIREMENTS 31
4.1 Summary of Risks identified during Design 31
4.2 Specified Hazardous Chemical Substances 32
5. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT 32
5.1 Structure and Organization of H&S Responsibilities 32
5.1.1 Notification of Commencement of Construction Work 32
6. HEALTH AND SAFETY PLAN FRAMEWORK 33
6.1 Appointment of Competent Site Personnel 33
6.1.2 Construction Health and Safety Officer 34
7. GENERAL RISK MANAGEMENT 35
8. Training 36
8.1 Site Induction and other training 36
8.2 Noise Risks 36
9. Emergency Procedures 37
9.1 Fire, First Aiders and First Aid Equipment 37
9.2 Incident Management and Compensation Claims 37
10. Personal Protective Equipment (PPE) and Clothing 37
11. Occupational Health and Safety Signage 38
12. Induction of Employees and Visitors, General H&S Training 38
13. Management of Plant and Equipment 38
14. Excavations (if applicable) 38
15. Working at heights (if applicable) 39
16. Cranes and lifting equipment (if applicable) 39
17. Temporary Works (Scaffolding, support work, formwork) (if applicable) 40
18. Auditing 40
19. Communication and Meetings on Site 40
20. Care of Workers on Site (Welfare) 40
21. HEALTH AND SAFETY FILE 40
22. NON-CONFORMANCES 41
23. Failure to Comply with Provisions 42
24. Public safety 42
ANNEXURE A ..... **Error! Bookmark not defined.**

CLOSE OUT REQUIREMENTS 43

Project Details	
Date of compilation:	Revision number: 00
Value of project:	Commencement date:
	Contract period:
Occupational Health and Safety Agent:	

Professional responsibilities	*Company*	*Contact person*	*Telephone*	*Fax*	*email*
Architects					
Civil Engineers					
Structural Engineers					
Electrical Engineers					
HVAC Engineers & Fire Consultants					
Quantity Surveyors					

Site Details:

Locality of the works:

REFERENCES,

- Occupational Health and Safety Act (OHSA) No. 85 of 1993 and Regulations (as amended);
- Compensation for Injury and Occupational Diseases Act (COIDA) No. 100 of 1993 (as amended);
- South African Council for the Project and Construction Management Professions (SACPCMP) 2013: Scope of services for the OHS Consultant, Manager and Officer;
- Any other internal standards and specifications developed by the Client as they affect the operations, and
- The amended Baseline Risk assessment
- South African Roads Traffic Safety Manual (SARTSM) Chapter 2, Volume 13 of 1999
- Road Traffic Safety Act No. 93 of 1996 (as amended)
- Construction Specifications & Standards 6.0 for Southern Africa. Hans Wegelin 6th Edition 2010
- SANS Code 10400
- SABS 1200

1. LIST OF ABBREVIATIONS

AIA	Approved Inspection Authority
BoQ	Bill of Quantities
CC	Compensation Commissioner
CR	Construction Regulations
CHSO	Construction Health and Safety Officer
DMR	Driven Machinery Regulations
DEL	Department of Employment and Labour

FEMA	Federated Employers Mutual Association
GAR	General Administration Regulations
GSR	General Safety Regulations
HCSR	Hazardous Chemical Substances Regulations
HIRA	Hazard Identification Risk Assessment
H&S	Health and Safety
ER	Engineer's Representative
LI	Labour Intensive
DMA	Disaster Management Act
OH	Occupational Health
OHSA	Occupational Health and Safety Act No. 85 of 1993 (as amended)
SSHSS	Site Specific Health and Safety Specification
PC	Principal Contractor
PPE	Personal Protective Equipment
SANS	South African National Standards (Authority)
SACPCMP	South African Council for Project and Construction Management Professions
SDS	Safety Data Sheet
SMME	Small, Micro, Medium Enterprise
SWP	Safe Work ProcedurePREAMBLE

Each year fatalities, serious injuries and poor attitudes of Contractors mar the reputation of the Construction Industry. The CLIENT has a responsibility to limit its risk by ensuring a zero tolerance and better practice approach to Contractors and those affiliated to a particular project. Thus, a high premium is placed on the health and safety (H&S) of the Client and stakeholders, which include its employees, professional service providers, public and its physical assets.

The responsibilities that the Client and relevant stakeholders have toward its employees are captured in, but not limited to this document. The responsibilities stem from both moral, civil and a variety of legal obligations. The Principal Contractor is to take due cognisance of the above statement.

Where there is an appointed OHS Consultant its behalf, shall provide a site specific Health & Safety Specification (SSHSS) for the project and provide the Principal Contractor/s (PC) making a bid or appointed to perform construction work for the project, or parts thereof.

By drawing up this SSHSS, the Client has endeavoured to address the most critical aspects relating to H&S issues in order to assist the contractor in adequately providing for the health and safety of employees on site.

Should the Client not have addressed all H&S aspects pertaining to the work that is tendered for, the contractor needs to include it in the SSHSP and inform the Client of such issues when submitting the tender, or as soon as identified.

Notwithstanding the above, cognisance needs to be taken of the current Disaster Management Plan, and all the requirements of the current levels of lockdown, standards, guidelines and information published from time to time.

2. Purpose of the Site Specific Health and Safety Specification (SSHSS)

The SSHSS is a performance specification to ensure that the Client and any bodies that enter into formal agreements with the Client, Agents, Professional Designers (Engineers, Quantity Surveyors and Architects), Principal Contractors and Contractors achieve an acceptable level of OHS performance.

No advice, approval of any document required by the SSHSS, such as hazard identification and risk assessments, or any other form of communication from the Client shall be construed as acceptance by the Client of any obligation that absolves the Principal Contractor from achieving the required level of performance and compliance with legal requirements. Furthermore, there is no acceptance of liability by the Client, which may result from the Principal Contractor failing to comply with the SSHSS, i.e. the Principal Contractor remains responsible for achieving the required performance levels.

A Mandatary Agreement in terms of Section 37.2 (Annexure C) of the OHSA will be signed between parties prior to any works commencing. If the NEC contract is used a copy of the signed contract shall form part of the H&S file submission.

The SSHSS highlights the aspects to be implemented over and above the minimum requirements of current legislation. Requirements may be changed should new risks or issues are identified that could not have been foreseen during the design phase of the project, or during the construction phase. Any new legislation or standards (legislated or determined by the Client) that are promulgated or accepted during the contract will automatically be applied.

Environmental management shall receive due attention as per the requirements of the Environmental Control Officer (ECO), but will be managed by the ECO directly if applicable to the project.

2.1 Project description/detailed scope of work as it applies to the project (Details as per the scope of work)

The Scope of work as identified by the Stakeholders is as follows:

- Preliminary and General
- Breaking
- Painting
- Carpentry
- Brickwork
- Roof Work
- Asbestos Work

The works shall be done in accordance with the applicable SANS 1200 specifications, Municipal By-laws and Regulations, variations and additions to the standardized specifications applicable to this contract and the technical specifications of the Client for work that falls outside of the standardized specifications.

2.2 Programme Description

Clarification Meeting	*TBA*
Time allowed for preparation of H&S plan/file after tender award	
Approval date of SSHSP	*Within 1 week after submission but subject to content as per this requirement, for more than one review.*
Induction dates	*To be advised after Approvals of H&S Plan/file*
Estimated Commencement date of work on site	*Subject to approval of H&S Plan.*
Estimated Project completion date or project duration	*Dependant on site establishment and site hand over*
Project term	

3. Implementation of the Site Specific Occupational Health and Safety Specifications (SSHSS)

The site specific H&S specification (SSHSS) forms an integral part of the Contract, and PCs are required to make it an integral part of their Contracts with Contractors and Suppliers. A SSHSS will be available for each level of Contract and Contractor and must be complied with.

This specification must be read in conjunction with the OHSA, Regulations (as amended) and any other standards relating to work being done and ensure compliance thereto. The information relative to the scope of the project, the works etc. are detailed in the tender, are to be considered when developing the SSHSP and associated documentation. The summary of risks is included in Section 2 of the SSHSS.

The OHSA S.37.2 Mandatory Agreement must be fully completed by the PC, supplied by the Client. These documents shall be deemed to form part of the returnable Contract Documents. (ANNEXURE C)

No work nor site handover may commence without written approval of the SSHSP by the H&S Agent, or the responsible person of the Client.

Should there be design changes, or change in the scope of works, an amended SSHSS may be issued. Where amended SSHSSs are issued, the PC will be required to ensure a resubmission of an amended SSHSP for approval. Further to this, the PC must ensure that similar information must be provided as it applies to the works to all their Contractors, within 5 working days following notification thereof. Such design changes.

The OHS Consultant will visit the project at least bi-monthly to ensure compliance and limit risk. All activities on the site and all appropriate documentation will be monitored and reported on to the Client and the Designer.

Non-conformances will be issued, and penalties or work stoppage will be issued where appropriate. Communication between the OHS Consultant and the PC will be through the Designer (or Client's responsible person) as determined at the commencement of the project.

3.1 Requirements at Start Up

A site specific H&S Plan (SSHSP) in response to this SSHSS will be subject to approval by the OHS Consultant within the stipulated time period as noted in the tender. This must include all supporting documentation as required to verify the H&S system:

- A declaration to the effect that the PC has the competence and necessary resources to carry out the work safely in compliance with the Occupational Health and Safety Act and its Regulations;
- A valid Letter of Good Standing;
- Detailed technical method statements along with, and aligned with the project programme for review by the Principal Agent, Designer and appropriate risk assessments and safe work procedures for approval by the OHS Consultant or Client:
- Site establishment including:
    - A procedure must be drafted relative to protection/ prevention of injury to persons other than PC employees, during undertaking of such construction activity.
    - Exposure of services, power, telecommunication etc.;
    - Arrangements for hoarding, traffic accommodation if applicable:
    - Excavating for services;
    - An emergency plan indicating how and where emergencies will be handled, and
    - Working at heights (if applicable).

Further method statements are to be submitted prior to, and during the project where changes or new work is required, and the approval of the Principal Agent/Client is required before work on that aspect or activity can commence The construction CHSO (CHSO) is to be included in production planning sessions/meetings to ensure that the appropriate risk assessments, safe work procedures and communication required are available and completed timeously.

Penalties will be applied should this not be adhered to and deemed a serious offence.

4. GENERAL REQUIREMENTS

4.1 Summary of Risks identified during Design

The intention of the summary of findings from the design risk assessment is to highlight the residual risks identified during the design phase. The full design risk assessment can be found in the tender document.

The summary of risks provided is to point the contractor towards some risks he may not be aware of during tendering stage and while developing his formal risk assessments for the project.

The design risks and the management thereof should be included in the PC risk assessments. Where there are other Contractors appointed to do work, the PC is to ensure that Contractors include such information in their risk assessments.

The summary is to be developed following the completion of the Design risk assessment, and to include the residual risks as they apply to the project.

PHASES OF THE PROJECT	RESIDUAL RISKS IDENTIFIED TO BE MANAGED (as applicable)
Site Establishment	Bringing in containers, fitting with electricity, phone and fax, toilet hire. Hoarding, security and access to be managed and in place.
Site Clearance	Traffic accommodation, movement of heavy construction vehicles, use hand tools, chainsaws, use of local labour and contractors.
Earthworks	Open excavations, use of plant and machinery, use of lifting equipment for laying storm water concrete pipes, electrical hand tools plant and equipment during paving. Noise monitoring.
Ancillary Roadworks	Use of chemicals, excavation and use of hand tools.
Housekeeping, stacking and storage	The area is adequate to ensure housekeeping and stacking and storage principles are followed. However, the children need to be kept well away from all work areas including the site camp, and notices to be clear in warning of dangerous construction activities. Care and increased attention to ensure all materials and vehicles are carefully managed and designated routes are used.
General	Use of local labour, and contractors, CLO to do regular information sessions. High winds and inclement weather require monitoring for all working at heights
Painting	Hand mixing may occur, 50kg paint drums are an ergonomic risk from handling. Potential eye, skin and respiratory irritant from paint fumes exposure, chromates.

4.2 Specified Hazardous Chemical Substances

The following lists of products or substances are those which have been identified as likely to be used on the project. This list is not inclusive and other products may be considered. Where the PC is likely to supply the product as the product has not been specified, safety data sheets (SDSs) need to be considered prior to all selections.

PRODUCTS/SUBSTANCES/RISKS	POTENTIAL HEALTH OR OTHER RISKS
Cement	Hand mixing may occur, 50kg bags are an ergonomic risk from handling. Potential eye, skin and respiratory irritant from dust exposure, chromates.
Cement/Silica dust	Caused by cutting, grinding, sanding of any concrete/granite/tiled surface/masonry.
Wood dusts	Caused by cutting, sanding, drilling wooden products treated Viz fencing poles.
Mineral turpentine	Applying paint and cleaning of paint brushes. Potential eye, nose, skin and respiratory irritant.
Paint	Splashes into eyes, onto skin causing irritation.
Cleaning materials	Use of disinfectants and sanitizers

5. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

5.1 Structure and Organization of H&S Responsibilities

An organogram will be available to identify key appointments and responsibilities on site and be kept up to date throughout the project.

5.1.1 Notification of Commencement of Construction Work

The PC shall notify the Provincial Director of the Department of Employment and Labour (DEL) in writing, in the form of the Annexure in the CRs. This shall occur within 7 days of the award of the contract. Proof of submission and/or receipt must be provided and kept in the H&S file.

Where changes to the conditions given in the submission are required (i.e. Contractors, completion dates, increase in workers), a revised Annexure A must be submitted to the DEL. The completion date is to include the defect and liability period. A copy of the notification form and any further submissions/correspondence must be kept in the H&S file. Contractor must Extend/apply for a new Notification of works 14 days prior to the current one having to expire.

NB: No work may commence without a valid Notification of Construction works

6. HEALTH AND SAFETY PLAN FRAMEWORK

The H&S aspects related to the project outlined in the previous sections are to be taken into account when drawing up the H&S Plan. The PC is required to demonstrate competence by providing an H&S system that will address the requirements of the project.

The current legislative requirements, SABS codes, SANS 10400 and any other standards that may guide practice are to be taken into consideration. The following aspects must be addressed in the SSHSP, as they have been identified in section 2, as playing a role in reducing the overall risk of a particular activity, or section of the project. The OHS Agent may from time to time request additions or systems as they relate to the works or legislative requirements at the time.

The PC is to prepare a site layout drawing to indicate at least the following to submit with the H&S plan:

- The positions of site offices of all Contractors, toilets, drinking water and worker rest areas;
- Indicate the positions of emergency planning and equipment and first aiders;
- Protection of plant and public, indicate parking, designated vehicular routes and access to site;
- Storage areas (materials and equipment, waste etc.), and
- Storage of materials and waste;

Such layouts are to be updated regularly throughout the project.

Cognisance is to be given to those permanent employees who are over 60 years of age, and younger workers who have underlying chronic health issues such as high blood pressure, diabetes, TB, HIV and AIDS etc. Specialised workers who are indispensable will need to be declared fit for work by an occupational health service provider.

Key appointments and succession planning is to be available to ensure those who are playing key roles are able to cover the project at all times.

The project Organogram is to be updated accordingly and signed and dated at each update.

6.1 Appointment of Competent Site Personnel

The CEO (OHSA S16.1 or 16.2) of the PC will take overall responsibility for the appointment of competent site staff for the duration of the project. Should the CEO not be personally involved in the project, the H&S responsibilities are to be delegated to the Site Agent (OHSA 16.2). Knowledge and training in H&S are required and certificates indicating H&S training as well as experience to be included in CVs.

All other legal appointments are to be made with relevance to the type of work required and kept current with the project programme. The construction team is to ensure the appointed CHSO is kept up to date with all planned activities, to ensure all H&S requirements are met.

All construction/technical method statements are to be generated by senior site personnel, and the appropriate risk assessments developed therefrom in conjunction with the CHSO.

The SSHSP shall include the following, but is not limited to the following key appointments:

6.1.1 Construction Supervision

Competent supervisors will be appointed to manage part or all of the works and have training and/or experience in the area of responsibility, regarding CR 8.1, 8.2 and 8.7. All site supervisors must show evidence of appropriate training in H&S, and an understanding or training in areas of responsibility (i.e. risk assessments, method statements etc.).

Curriculum Vitae (CVs) are to be submitted for approval by the Principal Agent, and/or Client. The Supervisor will be held responsible for the safety of working teams and subordinates, housekeeping and stacking and storage of materials.

6.1.2 Construction Health and Safety Officer

The PC shall employ at least one competent, CHSO for the duration of the contract. The CHSO's CV is to be submitted for approval by the OHS Agent or the Client, at time of tender

The PC is to ensure adequate resources are provided in order to undertake all responsibilities (i.e. mobile phone, computer and internet access, etc.).

Qualifications shall include at least Grade 12, SAMTRAC/NEBOSH/Diploma in H&S qualifications or similar, with exposure to civil engineering and similar road construction, with at least 5 years' experience, given the level of project complexity preferably in an OHS capacity. He should also have undergone training in the Act and Regulations. In the case of a contract where contractors are employed, the CHSO must have a competence to evaluate the Contractors Health and Safety plans and be registered with the SACPCMP as a CHSO.

This person may not hold any other position on the site staff. The site supervisor may not act as the CHSO. The CHSO appointed for the project will be held responsible for all H&S on the project.

- Senior site staff and supervision, Contractors are to follow systems, instructions etc. given by the CHSO at all times;
- No new workers or Contractors may commence work without approval or following the SSHSP as submitted;
- No inductions of any Contractors' staff until the H&S documentation is approved by the CHSO, and
- The CHSO may not be removed or replaced without the approval of the H&S Agent, nor may the site be left unattended for more than 1 day without adequate, competent cover.

A monthly report of all H&S activities and incidents is required by the end of the first week of each month, or at a date agreed to by the OHS Consultant /Client and the CHSO. An example of the monthly report is attached as an Annexure D.

The CHSO will be responsible for collating the H&S documentation at the close out of the project in electronic format, properly labeled and filed. A list of the typical aspects that should be provided is available as Annexure B to this document. The PC is to ensure that all Contractors documentation follows the same requirements and closed out. H&S documentation must be completed and be available with the close out of the main contract, or as determined at the time.

Failure to do so will be considered a serious offence and penalties applied. Failure could also result in retentions or project certification not being issued to the PC.

6.1.3 Traffic Safety

The CHSO will be responsible for ensuring that daily traffic management is adequately managed.

No worker may be transported in, or on the rear of construction vehicles (bakkies included), or with plant and materials to, on, or from site. The number of passengers in any vehicle is limited to what is stated on the license disc. Vehicles used to transport workers to, from, or on site, shall have secure seats and be covered. No canopies may be used.

While this is difficult to control by the PC, induction training needs to include such information so workers can protect themselves. An on-site transportation policy needs to be available for how such transportation will be made safe and limit any opportunity for cross infection. Disinfection of vehicles needs to be determined where possible, and sanitizers provided prior to boarding and recommended during transit.

Each worker is to be encouraged to wear a cloth mask while travelling, and this needs to be enforced if using company transport.

Penalties will be issued for non-compliances noted.

6.1.4 Health and Safety Representatives and H&S meetings (if applicable)

H&S Representatives representing workers and Contractors are to be appointed following the start up of the project, irrespective of the number of workers on site. The appointed H&S Representatives are to be actively involved with H&S and will assist the CHSO and site management in meeting legislative duties.

All internal and external OHS Agent audits are to be discussed, as well as all H&S related issues at all internal production or progress meetings.

Failure to do so will be deemed to be a moderate offence.

6.1.5 Appointment of Competent Contractors and Suppliers, short term works (if applicable)

The PC is to ensure compliance with the Clients minimum standards and all legislative requirements. The same H&S standards required of the PC are to be applied to all Contractors. An index of all Contractors and Suppliers is to be on file and kept updated at all times. The PC is to ensure there is sufficient funding for H&S compliance by each Contractor.

The following minimum aspects are applicable to any Contractor appointed:

- The CHSO is to ensure a Contractors appointment and approval of H&S documentation at least seven (7) working days prior to commencing work;
- No Contractor may work under the PCs Compensation registration number. If required, the PC may assist SMMEs with their registration with the Compensation Commissioner (CC). However, such Contractors will not be able to commence work until proof of registration or Letter of Good Standing has been received, and
- No work may commence without Mandatary agreements between parties in place.

Suppliers or short-term works (surveying, repairs, servicing, deliveries etc.) also require H&S Management. Cognisance is to be taken of the level of risk involved and the CHSO is to ensure the level of H&S documentation is appropriate and appropriately managed.

Failure to provide written approval of H&S documentation will be considered a serious offense, and could result in aspects of, or all the activities being stopped, and penalties implemented.

7. GENERAL RISK MANAGEMENT

7.1 Health Risks and Medical Surveillance

The appropriate SDSs are to be obtained for all products and used to develop the H&S documentation as they relate to the works. Many of the processes are labour intensive and ergonomic risks are to be noted. All workers (including Contractors) are to be included in the medical surveillance programme.

Workers will be exposed to noise, dust, and physical risks from extended periods of work of a repetitive nature, materials specified and the general nature of the works.

All permanent workers (including those of Contractors) are required to be in possession of a medical certificate of fitness prior to arrival on site that must be less than 12 months old. An exit medical will be required where the project exceeds 6 months in duration. Arrangements for keeping medical records for the required time are to be noted. A procedure for managing the medical records which require safekeeping for prescribed periods are to be addressed, specifically for the asbestos exposed workers.

Given the potential health risks the following aspects are to be included in each medical surveillance intervention:

- Full medical, surgical and occupational history;
- Full physical examination of all systems, and
- Referral if required for the management of identified health issues that may affect the worker.

Specific testing for existing conditions and limitations relative to exposure could include, but are not limited to:

- Audiometry (hearing tests);
- Spirometry (lung function tests) are not to be done until deemed safe to do so, and
- Any other tests identified as relevant from chemical or specifically identified risks of exposure

Failure to do so will be considered a serious offence.

8. Training

Training of site personnel in H&S in the revised areas of work is required, mainly through induction between the Client and specific groups of employees. The CHSO is to determine training requirements and to report on needs or completed training in their reports and audits.

Records of all training, and acknowledgement of such training by attendees must be kept. Comprehensive records of all employees under the PCs control attending induction or any other training throughout the project shall be included. Amendments to statutes, the SSHSS, PSHSP, policies, procedures, method statements etc. shall require that all those affected shall undergo the relevant re-training.

8.1 Site Induction and other training

The PCs shall ensure that all employees, and contractors have undergone the induction programme for visitors or contractors, or any other that is deemed necessary.

Appropriate time must be set-aside for training (induction and other) for all employees. No person will be able to commence work or visit the site where the induction has not been done.

All employees and visitors on site from either the Client or the PC shall carry the proof of induction training in form of an induction card. Client Induction is valid for a year from the date it was conducted and thereafter refresher induction shall be re-scheduled at least one month before the induction period expires.

Both parties shall keep a database of all records pertaining to induction and will inform Contractors of pending expiry though the overall responsibility of maintaining current induction cards still lies with the principal contractor. All induction cards issued must be returned on completion of the project to the Issuer.

Toolbox talks to be conducted outdoors when possible in order for persons to maintain social distancing. Where inclement weather does not allow for this, toolbox talks to be conducted with smaller groupings of workers in a sheltered area large enough to maintain social distancing.

8.2 Noise Risks

All plant from plant hire companies (suppliers) or that of the PC is to come to site with the appropriate testing completed and be compliant with the Noise Induced Hearing Loss Regulations. Plant identified that has not been tested and marked for noise emissions will result in having to be tested or removed from site. Failure to do so within a reasonable time period will result in such plant being removed from site.

Suitable SANS approved hearing protective equipment shall be issued and worn where noise levels are identified as equal to or greater than 85 dB.

8.3 Asbestos Work

Only a registered asbestos contractor may do work which entails asbestos material. An Approved Inspection Authority must be consulted and Asbestos regulations complied to.

Failure to do so will be considered a serious offence.

9. Emergency Procedures

A simple emergency plan and procedure that is appropriate to the risks is required prior to commencement on site. It is advised that the system should be simple and easy for any worker to follow. The plan may be adapted should new information or risks are identified.

The procedure shall detail the response plan in relation to the works, and include at least (but are not limited to) the following key elements:

Appointment of a competent emergency response co-ordinator

- Fire, public injury, asbestos;
- Falls from heights;
- Serious injury to workers (medical or work-related), and
- Any other major risks identified during risk assessments

The emergency plan is to ensure the inclusion of local service providers. Such arrangements should be made with these persons prior to the commencement of the project. The general principals of emergency management are to be applied as it applies to the hierarchy of control and management.

9.1 Fire, First Aiders and First Aid Equipment

At least 1 first aider will be trained to level 3. First aiders shall be available and accessible on site at all times and be able to work as a team when responding to any emergency on the project. The number of First aiders will be determined by the complexity and exposed risks of the project, not numbers of workers.

Contractors are expected to ensure compliance and provide/manage their own first aiders and equipment. Appropriately stocked first aid kits are to be available at all times and to assure continual availability and access on site.

Fire extinguishers will be appropriate for the risk and in sufficient numbers to deal with the type of fires that could occur. All mobile plant is to have fire extinguishers. Hot work permits are required for any such activities.

Failure to comply with emergency provisions will be considered a serious offence, and the operation or project may be stopped if deemed inadequate for the work at the time of assessment or site inspection.

9.2 Incident Management and Compensation Claims

All incidents and accidents are to be investigated. All serious incidents involving any form of disabling injury or fatality are to be reported to the Principal Agent/Client /OHS Agent immediately. This shall be confirmed in writing following the incident. Full details are to be included in each site meeting or when the Client visits site. A summary of incidents is to be included in the monthly report.

Failure to comply with emergency provisions will be considered a serious offence, and the operation or project may be stopped if deemed inadequate for the work at the time of assessment or site inspection.

10. Personal Protective Equipment (PPE) and Clothing

The PC is to provide a procedure as an addendum to indicate how PPE is managed within the Company. The wearing of the identified SANS approved PPE at all times is non-negotiable and is to be linked to the risk assessments. The PC shall ensure that all workers (Including Contractors) are issued with and shall wear:

- Hard hats;
- Protective footwear;
- Eye protection;
- Hearing protection;
- Reflective jackets (no bibs);

- At least 3 cloth masks (for general wear);
- Respiratory protection (minimum of FFP2) or as deemed required by the AIA, and
- Any other necessary PPE identified from SDSs and/or risk assessments.

Adequate quantities of PPE shall be available. This shall include necessary PPE for visitors. The procedures for managing PPE are to be in a formal procedure submitted with the SSHSP for approval.

Any person (including Client, Agents, etc.) found on site without the necessary PPE will be removed from site until the PPE is supplied and worn.

Failure to comply will result in penalties being applied.

11. Occupational Health and Safety Signage

On-site H&S signage is required as well as standard H&S information. Signage shall be posted up at fixed or temporary working areas, or other potential risk areas/operations. These signs shall be in accordance with the requirements of the General Safety Regulations or SANS requirements as amended. Signage is to be noted on the site drawings indicating where fixed/temporary signage is required and appropriate to the risks identified in risk assessments.

Signs shall be posted at areas of work on site indicating that a construction site is being entered and that persons should take note of H&S requirements.

Failure to comply will result in penalties being applied.

12. Induction of Employees and Visitors, General H&S Training

A simple, formal induction programme is to be submitted as an addendum for approval with the H&S plan. Inductions must be carried out for all workers and visitors (including Client, Designers) to the site.

Daily, pre-task training is required to ensure workers are familiar with the risks and H&S measures of the work or tasks to be done. Records to be kept in the H&S file.

Any person found on site without proof of induction will be removed from site until the proof is supplied and, and a **penalty issued per non-compliance.**

13. Management of Plant and Equipment

The CHSO will ensure control of all plant and equipment, including daily monitoring, prior to commencing work. Full lists of hired and own plant are to be available at the OHS Consultant /Client audit. All daily inspection records are to be kept in the H&S file, or Contractors where plant and equipment is brought onto site. Registers are not to be more than 1 week behind.

Only competent, fit plant operators are to be used. Medical certificates of fitness are required for all operators.

Any plant or slings used to lift plant or material require annual load testing by an AIA, and all certificates must have the testers LMI/E number. Operators are to be adequately trained and certified to operate mobile cranes or crane trucks. Certificates and registers are to be placed in the H&S file.
Failure to do so will be considered a serious offence.

14. Excavations (if applicable)

A procedure for managing excavations is to be provided as an addendum to the SSHSP describing how excavations are to be managed.

A competent person is to be appointed for managing all excavations. A permit system is to be available and used for all excavations. All equipment and ground conditions to be checked daily, and prior to work commencing.

Excavations should preferably not be open beyond what can be closed daily. Where excavations need to remain open, all excavations are to be properly protected. Adequate stakes with 1m high demarcation and berms/spoil are required to be a safe distance from the edge of the angle of repose. Candy tape may not be used to demarcate excavations. Cognisance is required of the surrounding area and increased levels of protection are required where work is in communities, near schools and clinics or churches.

Work will be stopped, and penalties applied to any work in excavations that is not compliant.

15. Working at heights (if applicable)

A fall protection plan is to be available and supplied as an addendum to the H&S plan. The fall protection plan must be appropriate for the project. Proof of competency must be on file for the Fall Protection Plan Developer and the appointment of a Fall Protection Supervisor with competency to be on file. Method statements, appropriate risk assessments, safe work procedures and training (all employees are to be in possession of a valid working at heights certification) are to be available prior to work commencing.

The focus for working at height shall include fall restraint systems where possible except during assembling or dismantling top components or where it is not deemed safe. The relevant SANS codes are to be applied as they apply to the works and the project, such as:

- SANS 10085
- SANS 10333 (parts 1-3)

Should part of the works be contracted out, competent Contractors are to be appointed and submit documentation according to the project requirements. The PC is to note if such work is to be contracted to specialists in the H&S Plan. the plan is to be developed and work managed by a competent person for the duration of the project. The following aspects must be included:

- The public or users of buildings are to be protected at all times by way of hoarding, barricading or fencing
- Notices to be posted
- Restrictions or stoppage when weather conditions are deemed hazardous
- Permit system for working at heights
- Prevention of falling tools or equipment
- Link to emergency plan regarding rescue

All workers are to be in possession of valid certificates of fitness that extend for the duration of the works. Note the requirements in the section relating to medical surveillance.

Registers and all relevant documentation are to be placed in the H&S file.

Work will be stopped, and penalties applied to any work at heights that is not compliant.

16. Cranes and lifting equipment (if applicable)

Lifting devices such as mobile cranes might be used during the project for deliveries, and moving of supplies or equipment,

Appropriate documentation must be made available for the cranes and operators. Method statements, risk assessments, safe work procedures and training are to be available prior to work commencing. A procedure for managing loads and lifting must be made available as an addendum to the H&S Plan.

Chains, slings and webbing to have valid safe working load certification on file, should the documentation not be on site, the operation may be stopped, and fines imposed until such documentation may be delivered.

17. Temporary Works (Scaffolding, support work, formwork) (if applicable)

Temporary works must be properly designed and signed off by the PCs competent person for all temporary scaffolds, support work or formwork. In these instances, a competent person is defined as one who has sufficient experience in the design of the type of temporary work in question to be able to assess the design. The appropriate competent persons are to be appointed to manage and monitor such works to the satisfaction of the Engineer and OHS Agent. Records and registers are to be properly completed and kept in the H&S file. If temporary works are to be erected by a Contractor, this must be notified to the Principal Agent/OHS Agent.

Failure to do so will be considered a serious offence.

18. Auditing

Frequency of external auditing by the OHS Agent or Client will be bi-monthly to conform to the requirements of the Construction Regulations. The site will be inspected, and the documentation audited relative to the activities and H&S plan. The CHSO of the PC must accompany the Client, or the H&S Agent, on all audits and inspections.

The PC will ensure that all their Contractors are audited on a monthly basis, dependent upon the time to be spent on the site. Audit frequency may be increased if Contractors are not performing adequately. Audit results will be acted upon and non-conformances and penalties issued where deemed appropriate. The Client, Designer or OHS Agent may act or require further outcomes if non-compliances are noted or unsafe acts are noted on site.

Internal audits are to include site conditions as well as ensuring H&S files are appropriate, and compliant. Comprehensive audit reports are to be made available the format of the audit reports will be reviewed by the H&S Agent.

The PC will be audited using a template as supplied in the tender document. The audit template will be adjusted from time to time relative to the activities on site. A similar process is to be used by the PC when auditing their Contractors on site. Compliance with legislative requirements and the systems provided by the PC to manage the H&S on site will be measured. Full compliance is required. Time limits for corrective actions will be set and must be adhered to.

Failure to address findings or non-conformances will be considered a serious offence.

19. Communication and Meetings on Site

All H&S communication during the project between the OHS Consultant and the PC will be done through the Principal Agent and be in writing, including the issue and responses to non-conformances and H&S audit results.

Failure to address issues timeously will be considered a serious offence.

20. Care of Workers on Site (Welfare)

Adequate toilets, clean, safe drinking water and weather protected shelter will be afforded workers at all times. Toilets will be within reasonable distance of workers, or placed with each working team in safe, with reasonable privacy.

Hand washing facilities, disinfectants and sanitizers will be provided across the site at common areas and entrances to work areas.

Failure to ensure compliance will be considered a serious offence, work will be stopped if con-conformances noted until corrected.

21. HEALTH AND SAFETY FILE

The documentation submitted and approved following the awarding of the contract will be used to form the H&S file. The H&S file is required to be laid out in a logical manner, and documentation filed within the file is to be easily accessible.

The following completed information shall be included (but not be limited to) as part of the index:

- The SSHSS;
- The SSHSP and the approval by Client;
- Appointment by Client;
- Mandatory agreement with Client;
- Notification of construction work;
- A record of all working drawings, calculations and design where applicable;
- Detailed list of Contractors with contact details, appointments, Mandatories etc., H&S specifications issued;
- Record of Competencies (CVs) and appointments;
- Training Records;
- Permits;
- Method statements;
- Risk assessments;
- Safe work procedures;
- Emergency and injury management;
- Safety data sheets
- Medical surveillance records;
- Registers;
- Records of audits, minutes etc.;
- Plant lists;
- Temporary electrical installations, and
- Employee records (who is on site).

22. NON-CONFORMANCES

Should, at any time, the works, or part of the works, be stopped due to unsafe acts or non-compliance with the Clients or PCs H&S Plan; neither the PC nor any other Contractor shall have a claim for extension of time or any other compensation.

The following constitute examples of the types of non-conformances that will attract penalties:

Minor: **Penalty: R50/count**	**Medium:** **Penalty: R500/count and a non-conformance**	**Severe** **Penalty: R5000/count, a non-conformance and/or activity stoppage**
Non-use of PPE supplied	Toilets not supplied or regularly serviced; lack of drinking water	Contractors working without Health and Safety Plan approval
Non-completion of registers for plant and equipment on site	Contractors not audited	Workers transported in contravention of the OHS plan or legal requirements
Lack of H&S signage at work areas	Working without training or the appropriate, approved H&S method statements	Invalid Letters of Good Standing
Tools and equipment identified in poor condition during inspections	Legal non-conformances identified during the previous audit and not addressed within the agreed time frame	Non-compliance with traffic accommodation requirements: layout or physical conditions
	No monthly OHS report at site meeting to report on	Any serious breach of legal requirements
	No certificates of fitness for workers as required	
	Working without approved method statements	

23. Failure to Comply with Provisions

Failure or refusal on the part of the PC or their Contractors to take the necessary steps to ensure the safety of workers and the general public in accordance with these specifications or as required by statutory authorities or ordered by the engineer, shall be sufficient cause for the engineer to apply penalties as follows:

(i) A penalty as shown in the Table above shall be deducted for each and every occurrence of non-compliance with any of the requirements of the SSHSS,

(ii) In addition, a time-related penalty of R500,00 per hour over and above the fixed penalty may be deducted for non-compliance to rectify any non-conformance within the allowable time after a site instruction to this effect has been given by the Designer. The site instruction shall state the agreed time, which shall be the time in hours for reinstatement of the defects. Should the Contractor fail to adhere to this instruction, the time-related penalty shall be applied from the time the instruction was given.

24. Public safety

The Principal Contractor shall ensure at all times that staff, and general public are aware of the dangers and risks involved whilst construction is taking place.

- Safety signage / posters shall be posted at all areas where construction work is taking place;
- Edges, excavations, stockpile areas, material storage areas, will be demarcated and no entry signage appended;
- Safety talks with employees shall be done, all employees shall be involved in keeping the site safe;
- CLO shall be given talks to do with the community members who are directly involved;
- A record of all training shall be kept, and indemnity documents shall be signed by those attending the safety talks.
- Community unrest shall be handled by the local SAPS. CLO shall assist the Contractor should the need arise.
- No visitors to site are allowed unless proper arrangements are made.

Province of the
EASTERN CAPE
DEPARTMENT OF EDUCATION

ANNEXURE A
CLOSE OUT REQUIREMENTS

The H&S files for the Principal Contractors and all Contractors require closure and handover to the Client at the completion of the project. The following list is an example of what should be included but is not exhaustive. The OHS Consultant or the Client may require further information at the time of completion and the Principal Contractor is to ensure that all instructions are met. Documentation would include all records from the start of the project. Daily or monthly plant inspection records are not required unless they are related to an accident. All records to be in electronic format and submitted to the OHS agent for approval in adequately formatted lists and folders. Layout should be logical and in the same order as in the site files.

Health and Safety close out file requirements include:

a) Client H&S Specification
b) Principal Contractor's OHS Plan(s)
c) Organograms
d) Legal Appointments
e) List of all employees employed on a permanent or contractual basis over the duration of the contract
f) Notification to Department of Labour of commencement of work
g) Letters of Good Standing for the Project
h) Full files for all Contractors as well as their close out reports
   - List of Contractors
   - All employees employed on a permanent or contractual basis over the duration of the contract
   - Letters of Approval of Contractors
   - Mandatary Agreements
   - Letters of Good Standing
   - Appointments
i) Incident Records
j) Non- Conformance records
k) Agent's Audits
l) Method Statements
m) Risk assessments
n) Safe work procedures
o) Medical surveillance certificates of fitness. Medical records are to be kept according to the OH&S Act as amended
p) All drawings for temporary structures (suspended beams/scaffolds etc.)
q) All operating manuals for any systems that require ongoing maintenance
r) Copies of test results, policies and procedures for environmental monitoring (silica, noise, dusts etc.)

Defect and Liability Period

The H&S files are to be kept 'live' for the defect and liability period by the Principal Contractor, including those of their Contractors. Any work required during the defect and liability period will require an assessment of the H&S file by the OHS Consultant to any work commencing.

A copy drawing records for the as-builts are to be placed on file by the Designers once complete

ANNEXURE B

BASELINE RISK ASSESSMENT

	HAZARD	RISK	MINIMUM CONTROL MEASURES
1.	Electrical commission	Electrical shock	- Personnel to comply with permits to work issued by client. - Personal protective equipment to be worn by employees to prevent electrical shock. - First aid treatment to be readily available. - Only competent and trained persons may decommission or commission electrical equipment.
2.	Excavations (working in and around	Toxic fumes Collapse of trench walls/trapping Falling into excavation Collapse of adjacent structures	- Deep excavation/ Monitor air for toxic fumes. - Prevent collapse by battering back sides to safe angle or install temporary support. - Protect vehicles from falling into excavations, provide barriers, signage, etc. as necessary. - Beware of undermining of other structures (e.g. building , scaffolds). - Record excavations inspections by competent person on daily basis. - Provide suitable means of access/egress in case of emergency. - Excavations formed by explosives must be accompanied by method statement approved by client.
3.	Explosive actuated fastening devices	Noise Being stuck by cartridge or fixing	- Operators to be trained, competent and wear appropriate protective equipment, e.g. goggles, gloves, ear plugs and head protection. - Cartridge gun to be in good condition, inspected for damages and faults regularly and results entered register. - Used and unused cartridges gun should be kept in a secure place when not in use, maintain register for return and issue.
4.	Explosive use	Injuries to personnel and by-passers Property damage	- Blaster must have all relevant permits, permission and licenses in place before blasting. - Method statement must be approved. - Maintain exclusion zone around perimeter of blasting, warn persons

			away, erect warning signage and barriers. - Obtain permission from local authority and police. - Blaster must be competent in blasting. - Ensure blasting does not affect stability of adjacent structures/building.
5.	Fire	Injuries to workers, pedestrians, residents, road users, damage to property through fire.	- No littering on site which could become a fire hazard, maintain site in clean condition. - No fires to be lit on site, have a working fire extinguisher at hand all times. - No smoking or naked flames near flammable substances or in unauthorised areas. - Ensure proper storage/use of petrol/diesel/flammable substances, post warning notices
6.	Flammable liquids	Fire Explosion	- No littering on site which could become a fire hazard, maintain site in clean condition - Have a working fire extinguisher at all times.
7.	Asbestos Cement pipes	Release of asbestos fibres	- Ensure safe access and egress is provided. - Erect physical barriers to prevent entry by unauthorised persons, as applicable. - Damp down exposed area to contain fibre release. - Personnel involved to wear asbestos respiratory protection. - Only Department of Labour registered asbestos contractors may work with asbestos, and strictly in accordance with the requirements of the Asbestos Regulations.
8.	Asbestos Cement removal	Person falling from height Debris falling from height Falling of equipment or tools Release of asbestos fibres	- Notice to be erected informing personnel of fragile roofs, as applicable. - Ensure of safe access and egress in provided. - Erect physical barriers to prevent entry by unauthorised persons and falls from heights, as applicable. - Roof sheets to be sprayed with water to prevent fibre release, where feasible. - Take extreme care to remove sheets whole. Where breakage occurs damp down exposed area to contain fibre release. - Personnel involved to wear respiratory protection.

			- Exclusive zone may be required under area of sheet removal to prevent injury from falls of material from heights. - Only Department of Labour registered asbestos contractors may work with asbestos, and strictly in accordance with the requirements of the Asbestos Regulations.
9.	Asphalting	Fire Burns to skin Skin disease	- Suitable fire extinguisher to be place prior to commence of works - Ensure competent personnel using material and competent and trained machinery/equipment operators. - Ensure there is a safe workplace at all time. - Ensure all personnel wear sufficient personal protective equipment (PPE) including safety boots, reflective vests and gloves. - Health and safety data sheet required.
10.	Bricklaying	Caustic contamination with mortar Contact with sharp blade tools	- Use only trained personnel. - Safe means of access to be provided. - Safe/suitable working platform required where working at height. - PPE for mortar to include gloves where practical and goggles/ masks where there is a risk of contamination
11.	Brush cutting	Injury from contact with blade/nylon Fire (where petrol used) Electrocution (where electrical tools are used)	- Person using brush cutter must be trained and competent. - Use PPE such as goggles, safety boots, ear protection, gloves, hard hat. - Brush cutter must be in good condition and maintained. - Adequate supervision on site at all times. - No smoking when refuelling, fire extinguisher to be on hand (where petrol is used)
12.	Chainsaw use	Falling tree or branches causing injury to persons Incorrect use of chainsaw causing injury	- Person using chainsaw must be trained and competent - Use PPE such as goggles, safety boots, ear protection, gloves, hard hat, chainsaw trousers and jackets. - Chainsaw must be in good condition including guards. - Clear area below area of chainsaw use and where tree felling.' - When using chainsaw at height practise safety procedures
13.	Plumbing	Falling material Fall from height Fire Burns Exposure to lead flames	- Ensure standard safety procedures are followed at all times - Only used trained and competent personnel - Ensure there is a safe working area at all times. - Ensure material are stored neatly

			- Ensure there is a safe access and egress at all times. - Ensure all personnel wear suitable and sufficient PPE. - Consider a hot works permit system prior to commencing of any hot works. - Make sure emergency procedures are in place and ensure all personnel are aware of where to go in case of fire.
14.	Plastering	Falling material Fall from height Contact with materials	- Ensure standard safety procedures are followed. - Ensure there is a safe working area. - Ensure safe access and egress. - Ensure competent personnel are used.
15.	Plant or vehicles and equipment operation	Workers injured by passing traffic Road users and pedestrians at risk from plant operation Noise	- Implement traffic protection measures. - Trained and competent operators must be used. - Check plant and vehicles on daily basis before use and record inspections. Maintain vehicles in safe condition. - Medical certificates of fitness required for construction plant. - Crossing of road by construction vehicles or machines must be limited to the practical minimum. - Plant and vehicles must be fitted with amber rotating beacons and reverse alarms. - Wear appropriate PPE
16.	Pilling	Falls Struck by machine Exposure to noise	- Personnel to be trained and competent, pilling rig to be in safe condition and inspected on a daily basis on a register by competent personnel. - Empty pilling holes not to be left unguarded. - Only approach pilling plant on signal from operator. - Personnel to wear PPE such as ear plugs.
17	Paving (laying)	Impact injuries from tile/ mallet Caustic burns Sore knees Cuts from cutter	- Impervious gloves to be worn/ barrier cream to be used - Kneelers or similar to be available. - Personal protective equipment to be worn.
18	Painting	Contact with paint	- Refer to safety data sheet for usage instructions, hazards and precautions required. - When working at height, refer to risk assessment addressing this hazard.
19	Overhead services (Working near)	Contact with live services causing injury to personnel Damage caused to services	- Maintain safe clearance levels. - Establish presence of any services via proper walk through survey of site and/ or means service drawings. - Wear personal protective clothing.

			- Ensure height of plant/ vehicles does not compromise or exceed clearance levels from service provider.
20	Noise and Dust	Breathing in dust can cause long term health problems, noise can damage hearing	- Wear respiratory and hearing protection. - Dampen down and minimise dust where possible.
21	Night work	Security Lighting	- The contractor shall not undertake any night work without prior arrangement and written permit from the client. - The contractor shall ensure that adequate lighting is provided for all night work and failure to do so shall result in work being stopped
22	Compacting and filling	Contact with tipping materials Contact with moving plant Vehicles/personnel falling into excavations Contact with underground services	- Trained banks man to control vehicle movement - Only trained personnel to use plant - Personnel to stand clear as materials are being tipped - Use stop blocks and signs to warn vehicles of excavations, where applicable - Stand clear of plant whilst material is being compacted - Establish position of underground services and protect services from damage.
23	Concrete pumping	Sprains and strains Hit by pump Concrete burns Collapse/bursting of structure	- Personnel to be in clear vision of pump operator - Trained pump operator - Personnel working with the concrete to wear the appropriate equipment to protect against cement burns - Design of structure being loaded to be approved by competent designer and inspect before, during and after loading. - Pump to be well maintained
24	Compactor operations	Crush of feet	- Only trained and competent personnel to use the machine - Ensure operators wear steel toe caps shoes or boots at all times
25	Confined spaces	Suffocating Fumes	- Ensure that confined spaces is sufficiently ventilated - Wear personal protective equipment such as proper masks if air supply insufficient or not of sufficient quality. - Test oxygen levels in confined space to ensure that is safe for entry - Ensure that emergency procedures are in place
26	Cutting Kerbs	Saw slipping, blade disintegrating	- Only trained operators to use saw and change blades. - PPE must be worn, gloves, goggles, dust mask and hearing protection. - People to be kept away from the work area.

			- Work to cease if people have to pass - Sparks etc. To be directed away from people and any flammable material.
27	Cutting Off Disc	Noise Cuts from machine Fire (particularly at refuelling) Flying debris Blade shattering Contamination by fume created or exhaust fume	- Use competent personnel - Hot works control, fire extinguisher, fire watch man. (permit may be required). - PPE to include gloves, eye protection, hearing protection. - Solid working position - Clear working area - Correct grade of blade must be used - Good ventilation to be provided (Forced if necessary) - Changing of wheels to be by competent persons only - Cutting discs must not be used for grinding (grinding disc thicker). - Bystanders to wear hearing protection, as applicable.
28	Demolition	Falling materials premature collapse of structure	- Ensure there is current method statement in place - Ensure all emergency procedures are in place and all details are displayed. - Ensure that structural demolition has been approved by designer and site management
29	Kerb Laying	Nips at joints Crushing by kerbs Caustic burns	- Impervious gloves and barrier cream to be used to protect hands. - Personnel should be aware of safe manual handling techniques when handling kerbs.
30	Lead – working with removal of tiles	Toxic effects from exposure to lead and its compounds Risk of inhalation, ingestion and absorption Personnel falling from height Debris falling from height	- Demarcation of the workplace - Restriction of entry by unauthorised persons - Restriction of substances that can release airborne lead to certain areas - Limit number of workers exposed to lead - Regular cleaning of workplaces and equipment - All employees who are exposed to lead must be provided with suitable and adequate PPE - Lead is to be packed in impermeable containers that are tightly sealed and clearly marked for removal. - The need for medical surveillance and the nature thereof is to be based on both risk assessment and air monitoring results and safety legislations.
31	Lifting Operations	Falling material Crushing by material Hand injuries to the slinger Toppling crane	- Check test certificate - Check examination certificate - Check inspection have been carried out

			- Check certificates for lifting equipment (chains, slings, shackles, etc.)
32	Fragile Materials	Person or items falling through fragile materials	- All fragile materials to be identified and protected prior to work commencing. - Protection to include either covering the fragile materials or excluding activity. - Any coverings to be secured in place - The location of the fragile materials to be indicated by signage
33	Hand tools	Injuries caused by use of hand tool Impact with the tool Falls due to access problems Contamination with substance being worked	- Ensure: - Tool is correct for the job - Tool is in good order and suitably sharp - Personnel must be competent/instructed in tool usage and tool safety - Lighting is sufficient - Access is safe, working platform is secure, leading edge is guarded - Operative is wearing all necessary PPE
34	Hazardous Substances	Injuries to workers through use of hazardous substances, e.g. injuries to eyes, skin, etc..	- Use substances in accordance with the safety data sheet particularly reference protective clothing required. (example: gloves, goggles, etc.) - Know what first aid measures are. - Have welfare facilities available for washing of hands, etc..
35	Hot Works	Burns to eyes or other parts of the body	- PPE to include eye protection, kin and ear protection. - Respirator maybe be required where cutting galvanized steel or anywhere else toxic fumes and gases arise. - Dust can also be a problem and forced ventilation may be required
36	Mobile Crane Erection & Dismantling and Use	Collapse of structure Overturning structure Falling Materials	- Ensure emergency procedures are in place and all operative are aware of the details - Only used trained and competent operators for the erection and dismantling and use of cranes - Ensure crane driver is trained and hold certification as proof. Must have a valid medical fitness certificate - Ensure crane is 360 degrees vision if not ensure a fully trained banks man is available at all times. - Banksman to wear reflector vest to identify him/herself to the crane driver - Ensure all personnel wear suitable and sufficient PPE - Consider creating an exclusion area
37	Members of the public – Protection Of	Injury to the member of the public and road users from site works	- Barriers and signage to be in place - Workers must warn away members of the public from the works

			- Footpaths and bridges which are open to the public must be closed off if in the area of works otherwise made safe so that no injury to a member of the public occurs - Traffic turning into site – traffic management and signage is required - Signage to be on the road at site entrance warning motorists that construction traffic turning into/out of site access. Keep roads free of mud where possible - Refer to plant risk assessment for details on plant safety precautions - NOTE: SIGNAGE TO BE POSTED ON SITE TO WARN OF CONSTRUCTION MOVEMENTS. SAFE MEANS OF ACCESS FOR BOTH CONSTRUCTION TRAFFIC TO SITE AND PROVATE HOMEOWNERS MUST BE AGREED
38	Manhole Rings & Pipe Storage	Rolling of rings Collapse of pipes Crushing of persons Stockpile collapse	- Manhole rings must be stored flat to prevent them being rolled - Banks of stock pipes are not to be broken until they are ready to be used - Personnel must stand to the side when breaking bands so as not to be hit by falling pipes - Pipes must be wedged to prevent rolling
39	Temporary Works – Shoring, Scaffolding, falsework, formwork	Collapse of works	- Wear PPE such as gloves and goggles - Formwork must be built by trained person and also be inspected by competent person and results entered into register on site/
40	Tower (Mobile Aluminium Tower) Scaffold	Overturning Falls	- Tower to be on firm level ground with wheels or feet properly supported - Erection by competent person - Inspection before first use - Weekly record of inspection required - Guard rails and toe boards as per normal scaffold - Beware when moving of overhead obstructions, such as power lines - Never move in strong winds
41	Underground Services	Striking of buried services	- Make all necessary enquiries to establish what services are in the area - Assume all services to be live (unless confirmation Is received to confirm that services are isolated or otherwise made safe. - Comply with requirements of the safe system of work for underground services - Where available locate services with a locator - Hand dig around services

42	Working at height	Personnel falling from height Falling debris Those beneath being injured	- All access equipment is properly constructed (inspection record must be maintained) - Only trained personnel construct, dismantle or control access equipment - All equipment must have full toe boards and guard rails, Comply with SANS10085 on erection, use and dismantling scaffolding - No access equipment to be loaded above its safe working load - No access equipment to be loaded above the level of the guardrail - Where working involves leaning out an open leading edge, then all personnel are to be fitted with a full body harness. The harness must be connected at all times - All fall arrest equipment to be correctly maintained - Ensure if ladders used for access, they are either footed or tied.
43	Precast slab/ Unit laying and fixing	Falls Falling material Manual handling	- Emergency procedures are in place and personnel explained details - Use competent personnel - Ensure suitable and sufficient access and egress is provided - Safe place of work must be provided - Ensure all personnel wear correct PPE - Exclusion zone may be required for protection against risk of falling objects
44	Road Construction	Risk of being struck by vehicles	- Ensure traffic management measures in place - No construction activities to commence until adequate provision made to accommodate traffic in accordance with the South African road signs manual - Wear reflective waist coats when working on or near the road and road shoulder as well as any either required PPE clothing - Crossing of road by personnel must be limited to the practical minimum - Use of fencing or other barriers as appropriate.
45	Road Marking	Contact with moving vehicles Fire	- Ensure suitable and sufficient road signs are erected, as applicable - Possible road or lane closure may be required, traffic management may be required - Fire extinguisher to be situated in a suitable area, use dry powder or foam
46	Rope Access	Personnel falling from Height Falling debris Those beneath being injured	- Ensure:

			- Competent person is appointed in writing to supervise all rope access on the site - Compliance with Construction regulations particularly section 10 & 18 - All rope access work is carried out under supervision of a competent person - All rope access operators are competent and licensed to carry out their work - The design, selection and use of the equipment and anchors comply with safety standards incorporated for this purpose into these regulations under section 44 of the act. - Site specific fall protection plan must be developed by a competent person applicable to the specific work and environment prior to the commencement of the work including all records of maintenance and inspections of all equipment used for the work operations
47	Steel fixing	Back injuries caused by manual handling Eye injuries from tie wire Trips/Falls Falling from height	- PPE must include safety boots and goggles - Manual handling training may be required - Care to be taken when near overhead lines - Use only trained personnel - Provide safe means of access - Maintain and regularly inspect all lifting appliances and equipment - Cap starter bars to prevent injuries where feasible - Construct scaffold walkway to cross reinforcing mesh, as required
48	Steel erection	Falls from height Falling components Contact injuries from falling lifting equipment	- Adhere to all general precautions for working at height - Barrier off/ exclude area below work - All lifting appliances to be examined and inspected - Inspection register in place and up to date - All personnel to be trained and competent wear clipped on safety harnessed when working on height - Ensure that lifting equipment (slings, chains and shackles) test certificates are current and on site - Competent persons only to connect loads and direct plant
49	Work over or next to water	Drowning	- Evaluate the depth of water, height above water that work takes place, whether workers can swim or not and then determine safety precautions

			required: these may include such measures such as barriers, signage, life belts, safety harness etc. - When working on river/harbour/dam edge, erect life saving devices and barriers to protect workers and vehicles (Stop blocks may also be required). Only trained and competent personnel may be used
50	Scaffold Erection/Dismantling	Personnel falling from height Items of scaffold falling onto personnel Scaffold collapsing onto those below	- Ensure: - Scaffold is designed to take the imposed load - Scaffold is not overloaded - Scaffolders are fully trained - Scaffolding is regularly checked by competent person and record of inspection retained. Written inspections to be recorded on weekly basis. - Scaffolders must adhere to the safe systems of work. - All fall arrest equipment to be checked and certified in good working order - That ALL understand the safety system of work
51	Shuttering walls, Beams, Columns	Falling from height Falling materials from height Cuts and abrasions from splinters and nails	- Ensure all personnel wear appropriate PPE - Ensure at all times there is a safe working platform - Use only trained competent personnel - If electrical tools are being used ensure they have been tested and safe to use - Ensure timber is de-nailed after used - Ensure safety standards are followed at all times - Ensure there is a safe means of access and egress at all times

Province of the
EASTERN CAPE
DEPARTMENT OF EDUCATION

ANNNEXURE C
AGREEMENT WITH MANDATORY

Province of the
EASTERN CAPE
DEPARTMENT OF EDUCATION

AGREEMENT WITH MANDATARY

WRITTEN AGREEMENT ENTERED INTO AND BETWEEN

_____

(Hereinafter referred to as the Employer)

and

_____

(Hereinafter referred to as The Employee)

Compensation Fund Number: _____

Province of the
EASTERN CAPE
DEPARTMENT OF EDUCATION

Whereas the Company called under contract no. _____ for the executing of the following

_____

At _____ ("Premises")

and whereas the contractor _____

Undertook to carry out the work and whereas the client contractor have agreed to regulate as between them and as provided for in terms of section 37(2) of the Occupational Health and Safety Act, No 85 of 1993, now therefore the undersigned agree to:

1. The Contractor warrants that all his and his contractors' employees are covered in terms of the provisions of the Compensation for Occupational Injuries and Diseases Act 1993 (the Act) which cover shall remain in force whilst any such employees are on the premises.

2 The Contractor warrants that he is in possession of the following insurance cover which shall remain in force whilst he and/or his Contractor and/or his employees are present on the premises or which shall remain in force for the duration of his contractual relationship with the client whichever period is the longest:
   - Public liability insurance covers.
   - Any other insurance cover that will adequately make provision for any possible losses and/or claims arising from his and/or his contractors and/or his Employees' acts and/or omissions on the premises.

3. The Contractor undertakes to ensure that he and/or his contractors and/or their respective employees will at all times comply with all the requirements of the Act and without derogating from this general undertaking, also comply with the following conditions:
   - All work performed on the premises must be performed under the close supervision of the contractor's employees who are trained to understand the hazards associated with any work that the contractor performs on the stated premises.
   - The Contractor shall assume the responsibility in terms of Section 16(1) of the Act. If the Contractor delegates any duty in terms of Section 16(2), a copy of such written delegation shall immediately be forwarded to the Client.
   - The Contractor shall ensure that he familiarize himself with the requirements of the Act, and that he, his employees and any Contractor comply with them.
   - The Contractor shall conduct a hazard analysis and ensure that his and any contractor employees are made aware of the hazards identified. This analysis needs to be reviewed prior to a new tasks are commenced.

   The Contractor must provide the Client with written proof that his employees and those of the sub contractor have been made aware of the hazards identified. The Contractor must provide the Client with up dated copies of the analysis.
   - Discipline regarding Occupational Health and Safety shall be strictly enforced.
   - Personal Protective Equipment as defined in the Act and regulations shall be issued free of charge by the Contractor and worn as prescribed.
   - Safe work practices shall be enforced and all employees shall be made conversant with the contents of these practices.
   - No unsafe equipment/machinery and/or articles will be allows and/or used on the premises.
   - All incidents referred to in Section 24 of the Act shall be reported by the Contractor to the Department of Labour as well as to the client. The Client shall further be provided with copies of all documentation relating to any incident.
   - The Client hereby obtains an interest in the issue of any formal inquiry conducted in terms of Section 32 of the Act into any incident involving a Contractor and/or his employees and/or his Contractor.
   - No use shall be made of any machinery/article/substance/personal protective equipment that belongs to the Client without prior written approval.

- Work for which the issuing of a permit is required shall not be performed prior to the obtaining of a duly completed and approved permit.
- No alcohol or other intoxicating substance shall be allowed on the premises. Anyone found to be or suspected of being under the influence of alcohol or any other intoxicating substance shall be removed from the premises.
- Full participation shall be given if and when Client employees inquire into Occupational Health and Safety issues.
- The Contractor expressly agrees to comply with the procedures and arrangements as required by the Act in the execution of the work.

4. The Contractor confirms; that he has been informed that he must report to Client management ;(in writing) anything that he deems to be unhealthy and/or unsafe and that he has versed his employees and/or contractors in this regard.

5. The Contractor warrants that he shall not endanger the health and safety of any of the Client's employees in any way whilst performing any work on the premises.

_____Date_____

1. Signed by Client Rep

_____Date_____

2. Signed bContractor or his Authorized Representative



Province of the
EASTERN CAPE
DEPARTMENT OF EDUCATION

C3.4 Contractors Reports

CONTRACTOR MONTHLY REPORT PART 1

Project No: …… ……. **Project Name: ……**

Contract No: ……

Contractor Name: ……..

Claim No: …….. **For Period Ending: ……..**

Date of Report: ……

The Contractors monthly report comprises an integral part of the Contractors payment claim and processing of the payment claim is not permitted without this report also being submitted i.e.

"NO REPORT – NO PAYMENT".

Attachments:

Part 2 : Overall Project Worker Schedule: Schedule of all local labourers employed since the start of the project

Part 3 : Weekly Task Wage Register

Part 4 : Local Labour Schedule

Part 5 : Beneficiary List (certified copy of ID's)

Additional Requirements:

1. When contractor recruit local labourers, they must produce a 13 digit identity document and a certified copy of the ID must be forwarded to the DRPW Regional EPWP representative
2. That at least one disabled person be recruited and employed on the project and reported as such
3. A daily attendance register should be kept on site
4. Each beneficiary must **sign** the payment sheet, as proof that they have been paid.
5. At the bottom of the contractors report, the site agent or CLO or contractor must sign the document as proof that the people indicated have worked the number of days
6. Employment of local labourers should constitute the following:
    a. 55% women
    b. 55% young people
    c. the minimum wage rate to be paid is in accordance with the National Minimum Wage Act, 1 March 2026 of the latest Published Act.

Note this report is available from the Department EFMS SITE in Excel and hard copy this report also needs to be captured on EFMS on a monthly basis.

BENEFICIARY INFORMATION

PLEASE PROVIDE BENEFICIARY INFORMATION ON THIS SHEET FROM 2024 May to 2027 August

									2026 September				2026 October				2026 November				2026 December			
First name	Initials	Last name	I.D. Number	DOB	Gender	Has disability	Education level	Start date	Number of labour days for Sep	Daily wage rate for Sep	Total wages paid Sep	Total number of training days Sep	Number of labour days for Oct	Daily wage rate for Oct	Total wages paid Oct	Total number of training days Oct	Number of labour days for Nov	Daily wage rate for Nov	Total wages paid Nov	Total number of training days Nov	Number of labour days for Dec	Daily wage rate for Dec	Total wages paid Dec	Total number of training days Dec
				yyyy/mm/dd	M or F	Y or N	Select an option from the dropdown list	yyyy/mm/dd			DO NOT ENTER DATA IN THIS COLUMN				DO NOT ENTER DATA IN THIS COLUMN				DO NOT ENTER DATA IN THIS COLUMN				DO NOT ENTER DATA IN THIS COLUMN	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	
											0.00				0.00				0.00				0.00	

Part 5: Pricing Data

C2.1 Pricing Instructions

C2.1: PRICING INSTRUCTIONS JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 6.2 - May 2018)

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

1. BILLS OF QUANTITIES

The **bills of quantities** forms part of and must be read and priced in conjunction with all the other documents forming part of the **contract documents**, the Standard Conditions of Bid, Conditions of Contract, Specifications, Drawings and all other relevant documentation.

2. VALUE ADDED TAX

The bid price must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the **bills of quantities** must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.

3. PREVIOUS WORK

The bidder is to acquaint themselves with the site thoroughly before pricing. Adjustment of prices will not be entertained after the award of the contract.

C2.2 Preliminaries / Bill of Quantities / Final Summary

Item No		Quantity	Rate	Amount

MORULANE PRIMARY SCHOOL
STORM DAMAGED SCHOOL
EMIS NO: 200500740

SECTION NO. 1 : PRELIMINARIES

PRELIMINARIES

BUILDING AGREEMENT AND PRELIMINARIES

The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described

The JBCC Principal Building Agreement contract data form an integral part of this agreement

The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described

The contractor is deemed to have referred to the above mentioned documents for the full intent and meaning of each clause

The clauses in the above mentioned documents are hereinafter referred to by clause number and heading only

Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"

Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the above mentioned documents

Carried to Collection R

Bill No. 1
Preliminaries

PREAMBLES FOR TRADES

The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained

Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles

The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications

If any ambiguity or discrepancy in any of the documents forming part of the contract is found, then the contract data and or amendments within the special conditions of contract and herein shall prevail in cases of conflict between any of the documents

PRICING OF PRELIMINARIES

Contractors are required to price all individual items in the preliminary and general section of the bill of quantities and should not lump the items into a single sum or amount. This fully priced schedule must be included as part of the priced bill of quantities returnable with tender submission

In the event that the contractor, due to causes of his own making, fails to achieve the targets set out in his construction programme and his performance is not in accordance with the contract, payment of the time related p&g will be paid in proportion to the value of the monthly progress payment and not in accordance with the projected cash flow for this item. The principal agent shall review the status quo and revert to paying the contractor in accordance with the contract once the contractor has demonstrated improvement of their performance and the principal agent is satisfied that the contractor is performing diligently.

Carried to Collection R

Bill No. 1
Preliminaries

Similarly the full amount of the fixed portion of the p&g will be paid only once the successful contractor has fully complied with deliverables under this section

Should the contractor select Option A in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)

SECTION A: PRINCIPAL BUILDING AGREEMENT

Pricing of bills of quantities

The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities

Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained

Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary

Contractors are reminded that some of the works are to be undertaken under restrictive site conditions, over steep terrain, in dense vegetation, protected environments etc.

Carried to Collection R

Bill No. 1
Preliminaries

In addition to the usual rates priced for standard measured items in the bills of quantities, contractors shall provide for all additional plant, labour, equipment, temporary works, temporary access ways and any additional supervision, transport, security, special plant and equipment to navigate restrictive site conditions and all things necessary for the completion of the works within this bills of quantities. The rates or amounts tendered for these items shall also include for the contractors management, attendance, profit, costs for removal and reinstatement of the ground conditions, vegetation, etc in the state and condition prior to the works being undertaken.

In addition to the usual rates priced for compliance with law and regulation in relation to inspections, warranties, guarantees, tests, analysis, commissioning and all things necessary for compliance, the contractor is expected to include in the rates, prices and the tendered total of the prices for all inspections, warranties, guarantees, tests, analysis, commissioning and all things necessary for compliance, payable by the contractor.

Such items include but are not limited to:

- Electrical Compliance Certificate

- Plumbing Compliance Certificate

- Lightning Certificate

- Electrical and Mechanical test certificates

- Four months warranty from electrical appliances.

- Plumbing and drainage pressure test certificates

- Fire Compliance Certificate

- SANS 10400-A:2010 compliance certificates

- Any other requirement as per the latest National Building Regulation

Carried to Collection R

Bill No. 1
Preliminaries

Contractors are reminded and hereby given the opportunity to allow for and price all costs related to the abnormal working conditions referred to herein as no claims for additional costs will be entertained for any omission on the part of contractor

Clause 3.9 amended to read 'The priced document shall not be used as a specification for material and goods and the quantities should not be used for procurement purposes.

All procurement of material will be based on actual site measurements and not on drawings, specifications or the bill of quantities

Abbreviated descriptions

The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice

Legal status of contractor

If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:

These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement

These persons shall notify the employer of their leader who has assigned authority to bind the contractor and each of these persons

The contractor shall not alter its composition or legal status without the prior written consent of the employer

Carried to Collection R

Bill No. 1
Preliminaries

Interpretation (A1-A7)

1 Clause 1.0 - Definitions and interpretation

F:.....V:..... F:..... Item

2 Clause 2.0 - Law, regulations and notices

F:.....V:..... F:..... Item

3 Clause 3.0 - Offer and acceptance

F:..... V:..... T:..... Item

4 Clause 4.0 - Cession and assignment

F:..... V:.....T:..... Item

5 Clause 5.0 - Documents

F:..... V:..... T:..... Item

Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)

Priced document as specification

Clause 5.4 is deemed to be deleted

The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any

Electronic issue of drawings

Some drawings for this project will be issued electronically and the contractor shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [5.6]

6 Clause 6.0 - Employer's agents

F:..... V:..... T:..... Item

Carried to Collection R

Bill No. 1
Preliminaries

Delegated authority

The authority of the principal agent to issue contract instructions [17.1] and perform duties for specific aspects of the works is delegated to agents as follows [6.2]. This does not preclude the principal agent from issuing such contract instructions:

1. Architect

1.1 Duties [6.2] :

The architect is responsible for the architectural design, functional design and quality inspection of the works

1.2 Contract instructions [6.2; 17.1] :

1.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement

1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works

1.2.3 The site [13.0]

1.2.4 Compliance with the law, regulations and bylaws [2.1]

1.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works

1.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]

1.2.7 Removal or re-execution of work

1.2.8 Removal or substitution of any materials and goods

1.2.9 Protection of the works

1.2.10 Making good physical loss and repairing damage to the works [23.2.2]

Carried to Collection R

Bill No. 1
Preliminaries

1.2.11 Rectification of defects [21.2]

1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion

1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums.

1.2.14 Appointment of a subcontractor [14.0; 15.0]

1.2.15 Work by direct contractors [16.0]

1.2.16 On suspension or termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]

2. Quantity surveyor

2.1 Duties [6.2] :

The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works

2.2 Contract instructions [6.2; 17.1] :

2.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement

2.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works

2.2.3 The site [13.0]

2.2.4 Compliance with the law, regulations and bylaws [2.1]

2.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works

Carried to Collection R

Bill No. 1
Preliminaries

2.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]

2.2.7 Removal or re-execution of work

2.2.8 Removal or substitution of any materials and goods

2.2.9 Protection of the works

2.2.10 Making good physical loss and repairing damage to the works [23.2.2]

2.2.11 Rectification of defects [21.2]

2.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion

2.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums

2.2.14 Appointment of a subcontractor [14.0; 15.0]

2.2.15 Work by direct contractors [16.0]

2.2.16 On suspension or termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]

3. Civil and structural engineer

3.1 Duties [6.2] :

The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works

3.2 Contract instructions [6.2; 17.1] :

3.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement

Carried to Collection R

Bill No. 1
Preliminaries

3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works

3.2.3 The site [13.0]

3.2.4 Compliance with the law, regulations and bylaws [2.1]

3.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works

3.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]

3.2.7 Removal or re-execution of work

3.2.8 Removal or substitution of any materials and goods

3.2.9 Protection of the works

3.2.10 Making good physical loss and repairing damage to the works [23.2.2]

3.2.11 Rectification of defects [21.2]

3.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion

3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums

4. Mechanical engineer

4.1 Duties [6.2] :

Carried to Collection R

Bill No. 1
Preliminaries

The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works ? and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions

4.2 Contract instructions [6.2; 17.1] :

4.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement

4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works

4.2.3 Compliance with the law, regulations and bylaws [2.1]

4.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works

4.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]

4.2.6 Removal or re-execution of work

4.2.7 Removal or substitution of any materials and goods

4.2.8 Protection of the works

4.2.9 Making good physical loss and repairing damage to the works [23.2.2]

4.2.10 Rectification of defects [21.2]

4.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion

Carried to Collection R

Bill No. 1
Preliminaries

4.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums

5. Electrical/Electronics engineer

5.1 Duties [6.2] :

The electrical engineer is responsible for all aspects of electrical and electronics engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical and electronics installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions

5.2 Contract instructions [6.2; 17.1] :

5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement

5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works

5.2.3 Compliance with the law, regulations and bylaws [2.1]

5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works

5.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]

5.2.6 Removal or re-execution of work

5.2.7 Removal or substitution of any materials and goods

5.2.8 Protection of the works

5.2.9 Making good physical loss and repairing damage to the works [23.2.2]

5.2.10 Rectification of defects [21.2]

Carried to Collection R

Bill No. 1
Preliminaries

5.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion

5.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums

6. Health and safety consultant

(Appointed through the contract - refer to Provisional Sums)

6.1 Duties [6.2] :

The health and safety consultant is responsible for all aspects of health and safety of the works. Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the works. He shall:

6.1.1 Act as the employer's agent in terms of the Construction Regulations issued in terms of the Occupational Health and Safety Act,1993 as amended

6.1.2 Prepare and update the health and safety specification for the works

6.1.3 Agree with the contractor the health and safety plan for the works

6.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the act and regulations

6.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to

7 Clause 7.0 - Design responsibility

F:..... V:..... T:..... Item

8 Clause 8.0 - Insurances and securities (A8-A11)

F:..... V:..... T:..... Item

Carried to Collection R

Bill No. 1
Preliminaries

9	Clause 9.0 - Indemnities			
	F:..... V:..... T:.....	Item		
10	Clause 10.0 - Insurances			
	F:..... V:..... T:.....	Item		
	Clause 10.1.1 - Contracts Works Insurance 'the contractor shall be responsible for effecting and maintaining the contract works insurance for the full duration of the contract period. The insured amount for the full scope of works shall be 120% of the contract amount Clause 10.1.2 - Supplementary Insurance Clause 10.1.3 - Public Liability Insurance Clause 10.1.4 - Removal of Lateral Support Insurance Clause 10.1.5 - Other Insurances			
11	Clause 11.0 - Securities			
	F:..... V:..... T:.....	Item		
	Clause 11.1 - Guarantee for construction The contractor shall not provide to the employer a guarantee for construction within fifteen (15) working days of acceptance of the contractor's tender. Clause 11.5 - Guarantee for payment The employer shall not provide to the contractor a guarantee for payment. The contractor shall waive his lien or right of continuing possession of the works [11.10] **<u>Extension of waiver of lien</u>** The contractor shall ensure that a waiver of lien is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times [11.10]			
	Carried to Collection		R	

Bill No. 1
Preliminaries

12	Clause 12.0 - Execution (A12 - A17)			
	F:..... V:..... T:.....	Item		
	Clause 12.0 - Obligations of the parties			
	Office accommodation			
	The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18]			
	Notice board			
	The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]			
	Statutory and other notices			
	The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard			
	It is, however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto			
13	Clause 13.0 - Setting out			
	F:..... V:..... T:.....	Item		
14	Clause 14.0 - Nominated subcontractors			
	F:..... V:..... T:.....	Item		
	Carried to Collection		R	

Bill No. 1
Preliminaries

15	Clause 15.0 - Selected subcontractors F:..... V:..... T:.....		Item		
16	Clause 16.0 - Direct contractors F:..... V:..... T:.....		Item		
	1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials				
	2. Allow the use of personnel welfare facilities, where provided				
	3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation				
	4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site [16.1]				
17	Clause 17.0 - Contract instructions F:..... V:..... T:.....		Item		
	<u>Site instructions</u>				
	Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor				
	Completion (A18 - A24)				
18	Clause 18.0 - Interim completion	N/A	Item		
19	Clause 19.0 - Practical completion F:..... V:..... T:.....		Item		
	Carried to Collection			R	

Bill No. 1
Preliminaries

20	Clause 20.0 - Completion in sections F:..... V:..... T:.....		Item		
21	Clause 21.0 - Defects liability period and final completion A 2.5% retention shall apply. The maintenance period shall be 12 months F:..... V:..... T:.....		Item		
22	Clause 22.0 - Latent defects liability period F:..... V:..... T:.....		Item		
23	Clause 23.0 - Revision of the date for practical completion F:..... V:..... T:.....		Item		
	<u>Adverse weather conditions</u> The contract duration includes a monthly allowance of 3 working days for adverse weather conditions [23.1.1] during which rainfall exceeds 10mm per day. These days shall be reflected on the critical path of the construction programme. Where the programmed delays for adverse weather conditions exceed the actual delays incurred the date for practical completion will not be adjusted. Where the actual delays incurred for adverse weather conditions exceed the programmed delays and such delays have impacted on the critical path of the construction programme, the date for practical completion will be adjusted should the requirements of Clause 23.0 be satisfied **<u>Substitution of materials, goods and or workmanship</u>** The removal or substitution of any materials, goods and/or workmanship which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8; 23.1 & 2]				
24	Clause 24.0 - Penalty for late or non-completion F:..... V:..... T:.....		Item		
	Carried to Collection			R	

Payment (A25 - A27)

25 Clause 25.0 - Payment

F:..... V:..... T:..... Item

Prices submitted

Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing

Clause 25 amended to read 'The employer shall pay to the contractor the amount certified in interim payment certificate within thirty (30) calendar days of the date of issue of the payment certificate or the contractors tax invoice whichever is the later date'

Materials and goods stored off site shall not be included in the amount authorised for payment unless the requirements for an Advanced Payment Guarantee are met

26 Clause 26.0 - Adjustment of the contract value and final account

F:..... V:..... T:..... Item

Fluctuations in costs

All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [26.9.5]

Tenant installation/user requirements delayed

There is a possibility that certain works related to tenant installation/user requirements may have to be delayed and may consequently not be executed prior to practical completion

Carried to Collection R

Bill No. 1
Preliminaries

Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount for preliminaries appurtenant to this work (if applicable) is agreed to between the contractor and the principal agent and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works

The contractor shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims of loss of profit shall not be considered

The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission

Cost of claims

All costs incurred by the contractor in the preparation of claims shall be borne by the contractor. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6 & 7] from making a determination on costs

Claims from subcontractors

The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]

27 Clause 27.0 - Recovery of expense and/or loss

F:..... V:..... T:..... Item

Suspension and termination (A28 - A29)

28 Clause 28.0 - Suspension by the contractor

F:..... V:..... T:..... Item

Carried to Collection R

Bill No. 1
Preliminaries

29	Clause 29.0 - Termination			
	F:..... V:..... T:.....	Item		
	Dispute resolution (A30)			
30	Clause 30.0 - Dispute resolution			
	F:..... V:..... T:.....	Item		
	Agreement			
31	The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties			
	F:..... V:..... T:.....	Item		
	Contract data			
	Tenderer's selections			
32	Before submission of his tender the contractor is to complete the tenderer's selections in the contract data			
	F:..... V:..... T:.....	Item		
	SECTION B - GENERAL PRELIMINARIES			
	Definitions and interpretation (B1)			
33	Clause 1.1 - Definitions			
	F:..... V:..... T:.....	Item		
34	Clause 1.2 - Interpretation			
	F:..... V:..... T:.....	Item		
	Documents (B2)			
35	Clause 2.1 - Checking of documents			
	F:..... V:..... T:.....	Item		
	Clause 2.2 - Provisional bills of quantities			
	Carried to Collection		R	

Bill No. 1
Preliminaries

Multiple procurement

36 These bills of quantities are in multiple procurement format ie the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally measured and the subsequent trades are budgetary allowances and provisional sums

F:..... V:..... T:..... Item

37 Clause 2.3 - Availability of construction information

F:..... V:..... T:..... Item

38 Clause 2.4 - Ordering of materials and goods

F:..... V:..... T:..... Item

Previous work and adjoining properties (B3)

39 Clause 3.1 - Previous work - dimensional accuracy

F:..... V:..... T:..... Item

40 Clause 3.2 - Previous work - defects

F:..... V:..... T:..... Item

41 Clause 3.3 - Inspection of adjoining properties

F:..... V:..... T:..... Item

The site (B4)

42 Clause 4.1 - Handover of site in stages

F:..... V:..... T:..... Item

43 Clause 4.2 - Enclosure of the works

F:..... V:..... T:..... Item

44 Clause 4.3 - Geotechnical and other investigations

F:..... V:..... T:..... Item

Carried to Collection R

Bill No. 1
Preliminaries

	Clause 4.4 - Encroachments			
45	The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments			
	F:..... V:..... T:.....	Item		
46	Clause 4.5 - Existing premises occupied			
	F:..... V:..... T:.....	Item		
47	Clause 4.6 - Services - known			
	F:..... V:..... T:.....	Item		
	Management of contract (B5)			
48	Clause 5.1 - Management of the works			
	F:..... V:..... T:.....	Item		
49	Clause 5.2 - Progress meetings			
	F:..... V:..... T:.....	Item		
50	Clause 5.3 - Technical meetings			
	F:..... V:..... T:.....	Item		
	Samples, shop drawings and manufacturer's instructions (B6)			
51	Clause 6.1 - Samples of materials			
	F:..... V:..... T:.....	Item		
52	Clause 6.2 - Workmanship samples			
	F:..... V:..... T:.....	Item		
53	Clause 6.3 - Shop drawings and As-Built Drawings			
	F:..... V:..... T:.....	Item		
	Carried to Collection		R	

Bill No. 1
Preliminaries

54	Clause 6.4 - Compliance with manufacturer's instructions			
	F:..... V:..... T:.....	Item		
	Deposits and fees (B7)			
55	Clause 7.1 - Deposits and fees			
	F:..... V:..... T:.....	Item		
	Temporary services (B8)			
56	Clause 8.1 - Water			
	F:..... V:..... T:.....	Item		
57	Clause 8.2 - Electricity			
	F:..... V:..... T:.....	Item		
58	Clause 8.3 - Ablution and welfare facilities in compliance to the provisions of the Construction Regulations 2014 issued in terms of the Occupational Health and Safety Act, 1993 as amended: Section (30): Sub-section (1)(a) - Shower facilities after consultation with the employees or the employees representatives, or at least one shower facility for every 15 persons; Sub-section (1)(b) - at least one sanitary facility for each sex and for every 30 workers; Sub-section (1)(c) - changing facilities for each sex and Sub-section (1)(d) - sheltered eating areas			
	F:..... V:..... T:.....	Item		
59	Clause 8.4 - Communication facilities			
	F:..... V:..... T:.....	Item		
60	Storage facilities			
	F:..... V:..... T:.....	Item		
	Prime cost amounts (B9)			
	Clause 9.1 - Responsibility for prime cost amounts			
	Carried to Collection		R	

Attendance on subcontractors (B10)

Clause 10.1 - General attendance

User note

61 General attendance is defined as being the duties of the contractor in terms of clause 12.2 of the JBCC n/s subcontract agreement

F:..... V:..... T:..... Item

Clause 10.2 - Special attendance

General (B11)

62 Clause 11.1 - Protection of the works

F:..... V:..... T:..... Item

63 Clause 11.2 - Protection/isolation of existing works and works occupied in sections

F:..... V:..... T:..... Item

Clause 11.3 - Security of the works

The contractor shall be briefed on the restrictions of movement, servitudes, access control, buildings in use, security requirements and security clearances, working hours due to the right being occupied and under the employers control at all times. The contractor shall not extend his operations into any restricted or undefined areas.

Work shall be carried out during normal working hours. Any extended times or approval or overtime work shall be considered and approved by the PA.

The contractor shall comply with the employers rules for the control of delivery of materials and goods into the site and for the removal of such items from the site.

Carried to Collection R

Bill No. 1
Preliminaries

64	The Contractor will be responsible for ensuring the security and protection of all material, hand tools, power tools, plant, equipment, machinery, etc stored on the site. The Contractor will be required to make arrangements with the Employer, through the Principal Agent, for the use of and reimbursement for the security measures currently in force and operational on the site				
	F:..... V:..... T:.....		Item		
65	Clause 11.4 - Notice before covering work				
	F:..... V:..... T:.....		Item		
	Clause 11.5 - Disturbance				
	Disturbance				
66	All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever				
	F:..... V:.....T:.....		Item		
	Clause 11.6 - Environmental disturbance				
	Controlling all forms of pollution				
	The contractor shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the site during the construction period due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc				
	The contractor is to ensure that all roads which border the site and are used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works				
	Carried to Collection			R	

67	Clause 11.7 - Works cleaning and clearing F:..... V:..... T:.....	Item			
68	Clause 11.8 - Vermin F:..... V:..... T:.....	Item			
69	Clause 11.9 - Overhand work F:..... V:..... T:.....	Item			
70	Clause 11.10 - Tenant installations F:..... V:..... T:.....	Item			
71	Clause 11.11 - Advertising F:..... V:..... T:.....	Item			
	SECTION C - SPECIFIC PRELIMINARIES				
72	**Site instructions** Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor F:..... V:..... T:.....	Item			
	Carried to Collection			R	

73	**Warranties for material and workmanship** Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The warranty shall state that workmanship, materials and installation are warranteed for a specified period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor F:.....V:.....T:.....	Item		
74	**Co-operation of contractor for cost management** It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors F:.....V:.....T:.....	Item		
	Carried to Collection		R	

75	**Propping of floors below** The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F:..... V:..... T:.....	Item			
76	**Agreement: Code of conduct for Contrators** The Contractor must comply with the agreement: Code of Conduct for Conractors, as per IDT requirements F:..... V:..... T:.....	Item			
77	**Rules and Regulations** The Contractor must comply with the Rules and Regulations (as per IDT requirements) F:..... V:..... T:.....	Item			
78	**<u>LOCAL LABOUR</u>** It is a general requirement of this contract that persons normally resident in the locality of the works (local labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate labour not be available within the locality, other may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour. The Contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilization of local labour in the construction process. In this regard, the Contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The Contractor shall, in general, maximize the involvement of the local community. F:..... V:..... T:.....	Item			
	Carried to Collection			R	

Bill No. 1
Preliminaries

79	**LABOUR RECORD** At the end of each week the contractor shall provide the principal agent with written record, in schedule form, reflecting the number and description of tradesmen and labours employed by him and all subcontractors on each day. F:..... V:..... T:.....	Item			
80	**C13 HIV/AIDS Awareness** It is required of the contractor to thoroughly study the HIV/AIDS Specification (HIV 1 to HIV 4) of the Department of Public Works, which must be read together with and is deemed to be incorporated under this section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under C13.1 to C13.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the F:..... V:..... T:.....	Item			
81	**C13.1 Awareness Champion** Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification. F..... V..... T.....	Item			
82	**C13.3 Posters, Booklets, Videos, etc.** Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the F..... V..... T.....	Item			
	Carried to Collection			R	

Bill No. 1
Preliminaries

83	**C13.4 Access to condoms** Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenish male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification. F..... V..... T.....	Item		
84	**C13.5 Monitoring** Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period, all in accordance with the HIV/AIDS Specification. F..... V..... T.....	Item		
85	**C14 Occupational Health and Safety Act No. 85 of 1993** Bidders are to allow for costs in providing a "Construction Phase Safety, Health and Environmental Plan". Bidders are further reminded that it is their responsibility to amend their safety plan if the assessed risk of the work changes in the slightest manner. F..... V..... T.....	N/A		
	SUMMARY OF CATEGORIES			
86	SUB - TOTAL: FIXED ITEMS	Item		
87	SUB - TOTAL: VALUE - RELATED ITEMS	Item		
88	SUB - TOTAL: TIME - RELATED ITEMS	Item		
	Carried to Collection		R	

Bill No. 1
Preliminaries

Bill No. 1

Preliminaries

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	19		
	20		
Carried Forward		R	

Bill No. 1

Preliminaries

COLLECTION

	Page No		Amount
Brought Forward		R	
Total Brought Forward from Page No.	21		
	22		
	23		
	24		
	25		
	26		
	27		
	28		
	29		
	30		
Carried to Final Summary		R	

Bill No. 1
Preliminaries

Item No		Quantity	Rate	Amount

SECTION 2

BILL No. 1

DEMOLITIONS

MODEL PREAMBLES

The tenderer is referred to the "General Preambles for Trades 2017" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.

SUPPLEMENTARY PREAMBLES

View site

Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained

Explosives

No explosives whatsoever may be used for demolition purposes unless otherwise stated.

General

Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent.

Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site.

Carried to Collection R

Removal of asbestos material

All preparatory work, alterations, etc., to existing asbestos cement roof sheeting, gutters, rainwater pipes, etc., is to be carried out strictly by an approved and certified specialist company and in accordance with statutory requirements (Occupational Health and Safety Act, 1993 - Asbestos Regulations 2001) and all necessary precautions must be taken when working with and disposing of asbestos cement products and the disposal of waste water resulting from cleaning operations, etc.

The following shall apply in respect of asbestos removal

The removal of asbestos shall be carries out by a certified entity, registered in accordance with the Occupational Health and Safety Act. 1993 and the Asbestos Regulations 2001

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed off, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material

Under no circumstances is the Contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occuring, the Contractor will be held responsible contractually and may further be prosecuted ciminally

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in terms for removal of asbestos material. No further claims in this regard will therefore be entertained

Carried to Collection R

Bill No. 1
Demolitions (Provisional)

	DEMOLISHING AND REMOVING				
1	Demolish pit latrine structure comprising of block and mortar with asbestos roof sheeting, approximate size 6 x 4.7m wide with 3,5m high top structure and 2,0m deep pit. Demolition is to only commence once the latrine has been completely emptied (elsewhere measured).	No	5		
2	Demolish VIP pit latrine structure, approximate size 3 x 1.5m wide with 3,5m high top structure and 2,0m deep pit. Demolition is to only commence once the latrine has been completely emptied (elsewhere measured).	No	3		
3	Cart away rubble from demolitions and dispose off site.		Item		
4	Backfill existing hole with G7 fill material in max. 150mm layers and compact to 95% MOD AASHTO density.	m3	144		
5	Allow for compaction tests by an approved laboratory to determine density of filling material.	No	8		
	SUNDRIES				
	Desludging				
6	Clean out pit latrine by desludging including removal of all debris and waste including solid waste as per Health and Safety requirements and make good on completion including disposing of all debris and waste at an authorised municipal waste disposal facility. Contractor to price per seat	No	6		
7	Issue of Certificate of Waste Disposal.		Item		
	Carried to Collection			R	

Bill No. 1
Demolitions (Provisional)

Bill No. 1

Demolitions (Provisional)

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	33		
	34		
	35		
Carried to Final Summary		R	

Bill No. 1
Demolitions (Provisional)

Item No		Quantity	Rate	Amount

SECTION NO. 2 : RENOVATIONS

ALTERATIONS (PROVISIONAL)

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Materials described as "Taking out and removing" and the like shall become the property of the contractor after handing over any material as may be requested by the school governing body and be removed from site and disposed of at a suitable place all done at the contractor's expense.

Descriptions which include "Making good" the contractor shall allow for all costs of disconnecting and removing the said materials and preparatory work to receive new materials.

View site

Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.

General

The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent

Carried to Collection R

Bill No. 1
Alterations

	Prices for taking out of doors, windows, etc shall include for removal of all ironmongery, etc				
	Prices for taking out and removing all beads architraves, doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing				
	With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork				
	Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary				
	The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)				
	REMOVAL OF EXISTING WORK				
	Take out and removing doors, windows, etc and preparing to receive new doors windows etc, including making good cement plaster on both sides (making good of paint elsewhere measure).				
1	Timber single door.	No	6		
	Take down and remove roofs, floors, panelling, ceilings, partitions, etc				
2	Gypsum plasterboard ceilings including cornices, timber brandering, etc.	m2	302		
3	Barge boards and fixings	m	80		
4	Fascia boards and fixings	m	18		
	BUILDING UP, ALTERING AND FORM OPENINGS				
	Carried to Collection			R	

	Repairs to existing:				
5	Service existing opening sashes of windows by easing and adjusting and lubricating hinges to open freely without catching including replacing heavy duty brass handle and stay.	No	6		
6	Check existing IBR or galvanised corrugated iron roof covering including ridge covering, hips and soldered work, remove loose roofing nails, fill holes in purlins with approved wood filler and replace by cadium or zink covered roof screws or equal approved with metal washers and waterproof seals, including the covering of all roof screws with pure acrylic polymer rubberised waterproof coating with a 12-year quality guarantee or equal approved waterproofing membrane sealent all in accordance with the manufacturer's instructions.	m2	438		
	REMOVAL OF EXISTING WORK				
	Demolish, hack up/off, take up/off/out and remove:				
7	Demolish approximate size 53 x 7.5m on plan existing 5 classroom mud structure consisting of Concrete floors, mud walls, roof covering and timber doors. Hand over roof structure,, doors etc. to the school governing body and remove all material not required from site.	No	1		
	Carried to Collection			R	

Bill No. 1

Alterations

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	37		
	38		
	39		
Carried Forward to Summary of Section No. 3		R	

Bill No. 1
Alterations

Item No		Quantity	Rate	Amount

CARPENTRY AND JOINERY

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Prefabricated roof trusses:

Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the Architect.

Prices must include for all cross and windbracing according to the manufacturer's instruction.

Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.

Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.

Carried to Collection R

Bill No. 2
Carpentry and Joinery

Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.

The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

(a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Insitute for Timber Construction.

(b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Regional Representative at an early stage for approval by the Directorate: Structural Engineering Services.

(c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.

(d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

(a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.

Carried to Collection R

Bill No. 2
Carpentry and Joinery

(b) Bracing as recommended by the Institute for Timber Construction.

(c) Sizes and grading of the timber components.

(d) Truss sizes, e.g. height of ridge or angle of pitch.

(e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).

(f) Seperate connection details for hip, valley and jack rafters.

(g) Maximum spacing for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.

(h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that:

"The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".

Joinery:

Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.

Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.

Carried to Collection R

Bill No. 2
Carpentry and Joinery

	Fixing:				
	All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.				
	Where items are described as "bolted" the bolts have been measured elsewhere.				
	EAVES, VERGES, ETC				
	Everite Nutec fibre cement barge boards and fascia boards:				
1	12 x 225mm width H-profile aluminium Fascia board jointers (product no: 685-195) drill for and fix with hot dipped galvanised screws and washers.	m	54		
2	200 x 80mm width H-profile aluminium barge board jointers (product number : 685-187). Drill for and fix with hot dipped galvanised screws and washers 76x50mm trimmer battens fixed to underside of the purlin ends for barge boards.	m	63		
	DOORS ETC				
	Meranti doors:				
3	40mm Thick, framed, ledged, braced flush open back door formed of 44 x 114mm stiles and top rail, 22 x 114mm middle ledge and braces and 22 x 222mm bottom ledge, the stiles and top rail grooved for and filled in with 22 x 70mm tongued, grooved and V-jointed vertical boarding, with braces brass screwed to every board, size 813 x 2,032mm high.	No	6		
	BEADS, ARCHITRAVES, ETC				
	Wrought meranti:				
4	19 x 76mm Skirting fixed to walls including 19mm quadrant bead planted on.	m	160		
	Carried to Collection			R	

	Sundries:				
5	40 38 x 76 mm Chamferred and grooved weatherboard fixed in and including groove or rebate in underside of door.	m	5		
	Carried to Collection			R	

Bill No. 2
Carpentry and Joinery

Bill No. 2

Carpentry and Joinery

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	41		
	42		
	43		
	44		
	45		
Carried Forward to Summary of Section No. 3		R	

Bill No. 2
Carpentry and Joinery

Item No			Quantity	Rate	Amount
	CEILINGS, PARTITIONS AND ACCESS FLOORING				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
	Descriptions:				
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.				
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.				
	NAILED UP CEILINGS				
	9mm Rhinoboard clout nailed to 38 x 50mm brandering at 450mm centres with 12mm wide H-profile metal cover strips over joints.				
1	Ceilings including 38 x 50mm sawn softwood brandering at 450mm centres with cross brandering at joints, ends of sheets and at light fittings, etc.	m2	447		
	Carried to Collection			R	

Bill No. 3
Ceilings, Partitions and Access Floring

	Paper covered polystyrene cornice, or equal approved, plugged to walls including mitres, etc.:				
2	75 x 20mm softwood cornice.	m	190		
3	Trap door	m	6		
	Non-combustible polyester thermal insulation of a density of not less than 10kg/m3:				
4	100mm Insulation in blanket form closely fitted and laid on top of brandering between roof timbers etc.	m2	447		
	Carried to Collection			R	

Bill No. 3
Ceilings, Partitions and Access Floring

Bill No. 3

Ceilings, Partitions and Access Floring

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	47		
	48		
Carried Forward to Summary of Section No. 3		R	

Bill No. 3
Ceilings, Partitions and Access Floring

Item No			Quantity	Rate	Amount
	IRONMONGERY				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent:				
	Finishes to ironmongery:				
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following listBS Satin bronze lacqueredCP Chromium platedSC Satin chromium platedSE Silver enamelledGE Grey enamelledAS Anodised silverAB Anodised bronzeAG Anodised goldABL Anodised blackPB Polished brassPL Polished and lacqueredPT Epoxy coatedSD Sanded Fixing:				
	Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories				
	Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories				
	Hinges:				
1	100 x 75mm Double washered solid brass butt hinges.	No	15		
	Locks:				
2	Three lever approved solid blesblok lockset 460/313 with approved chromium plated handles.	No	7		
	Carried to Collection			R	

Bill No. 4
Ironmongery

	Sundries:				
3	50mm Plastic key tag.	No	7		
	Carried to Collection			R	

Bill No. 4
Ironmongery

Bill No. 4

Ironmongery

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	50		
	51		
Carried Forward to Summary of Section No. 3		R	

Bill No. 4
Ironmongery

Item No		Quantity	Rate	Amount

SECTION 3

Bill No 8

FLOOR COVERINGS, WALL LININGS, ETC

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Cleaning:

Rates for floor covering shall include for proper cleaning on completion.

VINYL FLOOR COVERINGS, WALL LININGS, ETC.

Note: Ensure screed is smooth, hard, clean, dry, level and aligned with all adjacent substrates and fall towards cnt floor drains from all sides where required.Sample floor requested for approval.NB: Flooring sub-contractor to approve floor screeds in writing BEFORE laying of vinyl floor sheeting:

Carried to Collection R

Bill No. 5
Floor Covering

	Supply and lay 3mm fully flexible vinyl floor tiles in Multi-colour patterns, manufactured in accordance with SANS specification 786, laid in approved acrylic emulsion adhesive, spread with a Vicker A24F trowel at a rate of between 5.5m² to 6.5m² per litre, depending on sub- floor porosity, on a previously prepared sub- floor by builders as described above and elsewhere measured including all cutting and waste. Joints to be butted, grooved and heat welded ensuring that the welding rod bonds to more than 70% of the sheet thickness. To be installed in accordance with the manufacturers recommendations. All sub- floors to be tested for moisture content prior to installation. The material to be rolled in both directions with an articulated 68kg three- sectional metal floor roller. Vinyl flooring laid on screed grade 1 variance & if not achieved, to lay self levelling screed to approval of the flooring sub- contractor:				
1	On smooth screeded floors.	m2	302		
	POLISH, SEALERS, ETC				
	Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer:				
2	On vinyl flooring.	m2	302		
	Carried to Collection			R	

Bill No. 5

Floor Covering

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	53		
	54		
Carried Forward to Summary of Section No. 3		R	

Item No			Quantity	Rate	Amount
	PLASTERING				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
	SCREED				
	Screed to floors				
1	25mm Thick on floors and landings.	m2	75		
	INTERNAL PLASTER				
	16mm thick cement plaster, cement/sand ratio to be 1:5.				
2	On walls (Provisional).	m2	38		
	Carried Forward to Summary of Section No. 3			R	

Bill No. 6
Plastering

Item No		Quantity	Rate	Amount

PLUMBING AND DRAINAGE (PROVISIONAL)

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Copper pipes:

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.

Chasing:

Chasing pipes into new walls shall be regarded as "building in" and is not measured separately. The cost of chasing, wrapping in suitable bown paper and making good shall be included in the rates for pipes.

Holes for pipes through new walls:

No allowance for holes and drilling for pipes through new walls has been made in these bills of quantities, the price for all holes and making good shall be deemed to be included in the description of pipes.

Carried to Collection R

Bill No. 7
Plumbing and Drainage

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Description of pipes laid in trenches:

Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor.

Excavations:

No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.

'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.

Laying, backfilling, bedding, etc of pipes:

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing.

Flush pans:

Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.

Carried to Collection R

Bill No. 7
Plumbing and Drainage

	Stainless steel basins, sinks, wash troughs, urinals, etc:				
	Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.				
	Fixing:				
	Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories.				
	Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer.				
	Waste unions:				
	Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.				
	Sleeve pipes:				
	Electrical sleeve pipes to be Class 34 and are to include for draw wires.				
	RAINWATER DISPOSAL (PROVISIONAL):				
	0.8 mm Seamless Aluminium Ogee Gutters baked with enamel finish:				
1	150 x 125 x 150mm High eaves gutter sfixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	135		
2	Extra over eaves gutter for stopped end.	No	12		
3	Extra over eaves gutter for outlet for 100 x 75mm pipe.	No	36		
4	100 x 75mm Rainwater pipes fixed to walls with and including approved holderbats at 900mm centres.	m	109		
5	Extra over rainwater pipe for bend.	No	72		
	Carried to Collection			R	

Bill No. 7

Plumbing and Drainage

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	57		
	58		
	59		
Carried Forward to Summary of Section No. 3		R	

Bill No. 7
Plumbing and Drainage

Item No			Quantity	Rate	Amount
	GLAZING				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
	GLAZING TO STEEL WITH PUTTY				
	4mm Normal strength clear safety glass:				
1	Panes exceeding 0,1m2 and not exceeding 0,5m2.	m2	8		
	Carried Forward to Summary of Section No. 3			R	

Bill No. 8
Glazing

Item No			Quantity	Rate	Amount
	PAINTWORK				
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
	All work to be executed in strict accordance with the specifications of the paint manufacturer.				
	Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with plaster primer thinned 10% with turpentine.				
	PAINTWORK ETC TO NEW WORK				
	ON FIBRE-CEMENT				
	Prepare and apply two coats pure acrylic roof paint on:				
1	Fascias and barge boards.	m2	81		
2	Ceilings and cornices.	m2	440		
	ON PLASTERED SURFACES				
	Prepare and apply one undercoat and paint with two coats Emulsion paint, colour to be approved by the Architect:				
3	Internal walls (Provisional).	m2	457		
	Carried to Collection			R	

4	External walls (Provisional).	m2	269		
	ON WOOD				
	Prepare and apply one coat wood primer, one undercoat and two coats ABE provonite, before fixing on roof sheets, fascias and bargeboards.				
5	General surfaces of timbers at eaves.	m2	27		
	Prepare and apply one coat universal undercoat and two coats superior quality eggshell enamel paint:				
6	Doors (all surfaces measured).	m2	29		
7	Frames, rails, etc not exceeding 300mm girth.	m	78		
	ON METAL				
	Two coats wood primer on:				
8	Backs of frames, linings, etc not exceeding 300mm wide.	m	78		
	Carried to Collection			R	

Bill No. 9
Paintwork

Bill No. 9

Paintwork

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	62		
	63		
Carried Forward to Summary of Section No. 3		R	

Bill No. 9
Paintwork

3

SECTION SUMMARY - Section No.3 : Renovations

Bill No		Page No	Amount
	Alterations	40	
	Carpentry and Joinery	46	
	Ceilings, Partitions and Access Floring	49	
	Ironmongery	52	
	Floor Covering	55	
	Plastering	56	
	Plumbing and Drainage	60	
	Glazing	61	
	Paintwork	64	
	Carried to Final Summary		R

Item No			Quantity	Rate	Amount
	SECTION NO. 3 : ABLUTION BLOCK				
	BILL NO.1 : EARTHWORKS				
	SUPPLEMENTARY PREAMBLES				
	Nature of ground:				
	The nature of the ground is assumed to be gravel material, therefore "earth", but possibly interspersed with "soft rock" or "hard rock".				
	Carting away of excavated material:				
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.				
	Filling:				
	Notwithstanding the reference to prescribed multiple handling in clause 1.3 page 10 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material.				
	Rock filling:				
	Rock filling shall be crushed stone compacted in 250mm layers until no visual settlement occures. Rock filling shall not be of single grading and no rocks shall exceed 250mm diameter.				
	EXCAVATIONS				
	Excavation in earth not exceeding 2m deep:				
1	Reduced levels under floors.	m3	19		
2	Reduced levels under aprons, plinths, etc.	m3	26		
	Carried to Collection			R	

3	Trenches.	m3	38		
4	Holes.	m3	1		
5	Latrine pit.	m3	149		
6	Thickening under surface beds etc.	m3	1		
	Excavation in earth exceeding 2m and not exceeding 4m deep:				
7	Latrine pit.	m3	32		
	Extra over trench and hole excavations in earth for excavation in:				
8	Soft rock.	m3	42		
9	Hard rock.	m3	22		
	Back excavation of vertical sides of excavations in earth for working space including backfilling compacted to 100% Mod AASHTO density				
10	Exceeding 1,5m and not exceeding 3m deep for placing and removing formwork to walls etc, 150mm away from excavated face	m2	35		
	Extra over all excavations for carting away:				
11	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor.	m3	230		
	Risk of collapse of excavations:				
12	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	111		
13	Sides of trench and hole excavations exceeding 1,5m deep.	m2	162		
	Keeping excavations free of water:				
14	Keeping excavations free of all water other than subterranean water.2		Item		
	FILLING, ETC.				
	Carried to Collection			R	

Bill No. 1
Earthworks

	Filling with selected earth filling obtained from the excavation and/or prescribed stock piles on site compacted to 95% Mod. AASHTO density:				
15	Backfilling to trenches, holes, etc.	m3	23		
	Filling with selected earth filling obtained from the excavation and/or prescribed stock piles on site stabalised with 3% Portland blast furnace cement (by volume) and compacted to 93% Mod AASHTO density:				
16	Backfilling to sides of latrine pit.	m3	11		
	Filling with approved G7 material in accordance with SANS 1200 ME supplied by the Contractor and compacted to 95% Mod. AASHTO density:				
17	Under floors, etc.	m3	4		
18	Under aprons, plinths, etc.	m3	24		
	Filling with approved G7 material supplied by the Contractor stabalised with 2% Portland blast furnace cement (by volume) and compacted to 95% Mod. AASHTO density:				
19	Under floors, etc.	m3	21		
	Coarse river sand filling supplied by the Contractor compacted to 98% Mod. AASHTO density:				
20	Under floors, etc.	m3	4		
	Compaction of surfaces:				
21	Compaction of ground surfaces under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density.	m2	171		
	TESTS				
	Prescribed density tests on filling:				
22	Modified AASHTO density test.	No	19		
	Carried to Collection			R	

Bill No. 1
Earthworks

23	Foundation indicator test below topsoil layer, including sample collection.	No	13		
	SOIL POISONING				
	Approved brand of anti-termite soil poison applied by a Registered Pest Control company and guaranteed against termited for ten years:				
24	Under floors, etc., including forming and poisoning furrows against foundation walls, etc., filling in furrows and ramming.	m2	150		
25	To bottoms and sides of trenches, etc	m2	229		
	Carried to Collection			R	

Bill No. 1
Earthworks

Bill No. 1

Earthworks

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	66		
	67		
	68		
	69		
Carried Forward to Summary of Section No. 4		R	

Bill No. 1
Earthworks

Item No		Quantity	Rate	Amount

BILL NO.2 : CONCRETE, FORMWORK AND REINFORCEMENT

SUPPLEMENTARY PREAMBLES

Costs of tests:

The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Engineer. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Engineer. (Test cubes are measured separately).

Formwork:

Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.

The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.

Formwork to soffits of solid slabs, etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.

Carried to Collection R

	Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.				
	Movement joints:				
	Formwork to edges of concrete at movement joints has been measured elsewhere, unless otherwise described.				
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15Mpa/19mm Concrete:				
1	Blinding under footings, bases, etc.	m3	3		
	REINFORCED CONCRETE PARTLY CAST AGAINST EXCAVATED SURFACES				
	30Mpa/19mm Concrete:				
2	Strip footings.	m3	10		
3	Bases.	m3	1		
	REINFORCED CONCRETE				
	25Mpa/19mm Concrete:				
4	Filling to cavities of hollow brick walls and piers in foundations.	m3	12		
	30Mpa/19mm Concrete:				
5	Bottom of latrine pit.	m3	4		
6	Bottom of pit on waterproofing.	m3	11		
7	Surface beds on waterproofing including thickenings.	m3	7		
	Carried to Collection			R	

8	Aprons.	m3	20		
9	Plinths.	m3	1		
10	Slabs including beams and inverted beams.	m3	9		
11	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes.	Sets	14.0		
	TEST CUBES				
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float:				
12	Surface beds, slabs, plinths, etc	m2	80		
	Finishing top surfaces of concrete smooth with a steel trowel:				
13	Surface beds, slabs, etc.	m2	94		
14	Aprons to falls.	m2	82		
	ROUGH FORMWORK (DEGREE OF ACCURACY III)				
	Rough formwork to sides:				
15	Walls of latrine pit.	m2	70		
16	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	104		
	Rough formwork to soffits:				
17	Slabs propped up exceeding 1,5 and not exceeding 3,5m high including removal of formwork through 600 x 600mm opening.	m2	69		
	Rough formwork to form:				
18	600 x 600mm Opening through 170mm thick slab.	No	20		
19	125mm Diameter opening through 170mm thick slab.	No	17		
20	300mm Diameter opening through 170mm thick slab.	No	9		
	Carried to Collection			R	

Bill No. 2
Concrete

	SMOOTH FORMWORK (DEGREE OF ACCURACY II)				
	Smooth formwork to sides:				
21	Plinths.	m2	3		
22	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	98		
	MOVEMENT JOINTS ETC				
	Two layers of 375 micron damp proof course in slip joints between horizontal concrete and brick surfaces including cement mortar bed:				
23	Exceeding 300mm wide.	m2	78		
24	Not exceeding 300mm wide.	m	105		
	Expansion joints with bitumen impregnated soft board between vertical brick and concrete surfaces:				
25	10mm Joints exceeding 300mm high.	m3	1		
26	10mm Joints not exceeding 300mm high.	m	156		
	Saw-cut joints:				
27	3 x 30mm Saw-cut joints in top of concrete.	m	81		
	Vertical joggle construction joints through concrete, including necessary formwork and thick cement slurry to one face:				
28	Surface beds not exceeding 300mm thick.	m	56		
	REINFORCEMENT				
	Mild steel reinforcement to structural concrete work:				
29	8mm Diameter bars.	kg	630		
	High tensile steel reinforcement to structural concrete work:				
30	12mm Diameter bars.	kg	1,300		
	Carried to Collection			R	

31	10mm Diameter bars.	kg	1,140		
	Fabric reinforcement:				
32	Mesh Ref. No.100 fabric reinforcement in concrete aprons, plinths, etc.	m2	82		
33	Mesh Ref. No.193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	182		
34	Mesh Ref.888 fabric reinforcement in cavity walls.	m2	93		
	Carried to Collection			R	

Bill No. 2

Concrete

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	71		
	72		
	73		
	74		
	75		
Carried Forward to Summary of Section No. 4		R	

Bill No. 2
Concrete

Item No		Quantity	Rate	Amount
	BILL NO.3 : MASONRY			
	SUPPLEMENTARY PREAMBLES			
	BRICKWORK			
	Sizes in descriptions:			
	Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick.			
	Hollow walls etc:			
	Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.			
	Bagged and sealed walls:			
	Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats 'Flintkote 3' or equal and approved bitumen emulsion waterproof coating.			
	Face bricks:			
	Bricks shall be ordered timeously to obtain uniformity in size and colour.			
	Pointing:			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.			
	Wire Ties:			
	Carried to Collection		R	

	Walls in thicknesses of more than one skin (one brick walls and cavity walls) shall have at least nine wire ties per m². Wire ties shall be galvanised steel "Butterfly" type and of sufficient length to allow not less than 75mm of each end to be built into brickwork.				
	Additional ties every 4th course (340mm) at sides of openings and discontinuities in masonry.				
	SAMPLES				
	Samples of all masonry building units, except those for walls described as 'load bearing', shall consist of a minimum of 6 units. Samples of building units to be used in walls described as 'load bearing' shall consist of 30 units from every 30 000 units delivered to site.				
	BRICKWORK IN FOUNDATIONS				
	Brickwork of NFX solid clay bricks in class II mortar:				
1	Piers and pilasters.	m3	1		
2	Half brick walls including wire ties.	m2	13		
3	One brick walls including wire ties.	m2	104		
4	270mm Hollow walls of two half brick skins including wire ties.	m2	3		
	BRICKWORK SUNDRIES				
	Galvanised brick reinforcement:				
5	75mm Wide reinforcement built in horizontally in foundations.	m	184		
6	150mm Wide reinforcement built in horizontally in foundations.	m	479		
7	230mm Wide reinforcement built in horizontally in foundations.	m			
	Carried to Collection			R	

	Prestressed fabricated precast lintels including necessary temporary supports:				
8	108 x 70mm Lintels in lengths not exceeding 3m.	m	41		
	FACE BRICKWORK				
	Face bricks (Allow a PC amount of R 6000.00 per 1000 bricks supplied and delivered to site) pointed with recessed horizontal and vertical joints:				
9	Extra over brickwork for face brickwork in foundations.	m2	29		
10	Extra over brickwork to piers and pilasters in foundations for face brickwork.	m2	1		
	Face brick (Allow a PC amount of R 6000.00 per 1000 bricks supplied and delivered to site) brick-on-edge header course copings, sills, etc pointed with recessed joints on all exposed faces:				
11	220mm Wide header course on concrete bedded and jointed in cement mortar and pointed on top and one side.	m	11		
	BRICKWORK IN SUPERSTRUCTURE				
	Brickwork of NFP bricks in class II mortar:				
12	Piers and pilasters.	m3	1		
13	Half brick walls.	m2	87		
14	Half brick walls in beamfilling.	m2	10		
15	One brick walls including wire ties.	m2	19		
16	One brick walls of two half brick skins with inner skin bagged and sealed including wire ties.	m2	171		
	Joint forming material in movement joints:				
17	12mm Bitumen impregnated fibre board built in vertically through brick walls not exceeding 300mm wide.	m	39		
	Carried to Collection			R	

Bill No. 3
Masonry

	Steel bar reinforcement:				
18	8mm Diameter mild steel bars built in horizontally.	kg	64		
19	10mm Diameter high tensile steel bars built in horizontally.	kg	85		
	2,8mm Galvanised brick reinforcement:				
20	75mm Wide reinforcement built in horizontally.	m	24		
21	150mm Wide reinforcement built in horizontally.	m	709		
	Prestressed fabricated concrete lintels including necessary temporary supports:				
22	108 x 70mm Lintels in lengths not exceeding 3m.	m	10		
	Turning pieces to lintels, etc:				
23	220mm Wide turning piece.	m	29		
	Galvanised wire ties etc:				
24	4mm Diameter roof tie 2m girth bent double with one end built into brickwork and other end fixed to timber.	No	78		
	Galvanised hoop iron cramps, ties, etc:				
25	32 x 1,2mm Wall bonding tie 500mm girth built horizontally into brickwork at wall intersections.	No	204		
	Air bricks, etc:				
26	229 x 152mm Clay vermin proof air bricks.	No	12		
	FACE BRICKWORK				
	Face bricks (Allow a PC amount of R6 000.00 per 1000 bricks supplied and delivered to site) pointed with recessed horizontal and vertical joints:				
27	Extra over brickwork for face brickwork.	m2	189		
28	Extra over brickwork to beamfilling for face brickwork.	m2	10		
	Carried to Collection			R	

29	Extra over brickwork to piers and pilasters for face brickwork.	m2	6		
30	Extra over brickwork for brick-on-edge header course lintels one course high pointed on face and 110mm soffit.	m	23		
31	Extra over brickwork for brick-on-edge header course lintels one course high pointed on both faces and 220mm soffit.	m	4		
32	Fair raking cutting.	m	26		
33	Fair cutting and fitting around pipe not exceeding 100mm external diameter.	No	10		
	Face brick (Allow a PC amount of R6 000.00 per 1000 bricks supplied and delivered to site) brick-on-edge header course, copings, sills, etc. pointed with recessed joints on all exposed surfaces:				
34	220mm Brick-on-edge sill set sloping and slightly projecting.	m	15		
	FIBRE-CEMENT WINDOW SILLS				
	Natural grey fibre cement sills in single lengths bedded in class II mortar including metal fixing lugs, etc:				
35	15 x 150mm Wide sills set flat and slightly projecting.	m	15		
36	15 x 175mm Wide sills set flat and slightly projecting.	m	1		
	Carried to Collection			R	

Bill No. 3

Masonry

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	77		
	78		
	79		
	80		
	81		
Carried Forward to Summary of Section No. 4		R	

Bill No. 3
Masonry

Item No			Quantity	Rate	Amount
	BILL NO.4 : WATERPROOFING				
	DAMPPROOFING OF WALLS AND FLOORS				
	One layer 375µm embossed polyethylene damp proof course (SANS 952- 1985 Type B):				
1	In walls in foundations.	m2	104		
2	Vertically against walls in foundations.	m2	302		
3	In walls.	m2	32		
4	In walls vertically at reveals.	m2	16		
	One layer 250µm green polyethylene waterproof sheeting (SANS 952-1985 Type C) laid with minimum 150mm overlaps and sealed with pressure sensitive tape:				
5	Under surface beds, aprons, etc.	m2	100		
	JOINT SEALANTS ETC				
	Approved polyurethane sealing compound including primer, etc:				
6	10 x 10mm In expansion joints in floors including raking out expansion joint filler as necessary.	m	226		
7	In joints between steel door or window frames and face brickwork.	m	112		
	Approved polyurethane sealing compound including bond breaker, primer, etc and raking out expansion joint filler as necessary:				
8	12 x 12mm In expansion joints in walls.	m	69		
	Carried Forward to Summary of Section No. 4			R	

Bill No. 4
Waterproofing

Item No			Quantity	Rate	Amount
	BILL NO.5 : ROOF COVERINGS				
	SUPPLEMENTARY PREAMBLES				
	The following roof sheeting system is to be manufactured and/or supplied by 'Global Roof Solutions (GRS)', or equal and approved, and installed in strict accordance with the manufacturer's and/or Supplier's specifications. Fixing of all roof sheeting is to be in accordance with the manufacturer's approved Instruction Book. The manufacturer shall comply with ISO9002 Quality Management System. An approved five-year written guarantee of site workmanship and watertightness shall be issued after final inspection of concealed-fix roofing.				
	PROFILED METAL SHEETING AND ACCESSORIES				
	0,58mm Thick GRS galvanised steel Z200 IBR 686 profile roof sheeting with Chromadek® 'Dove Grey' finish top coat and 'Pebble Grey' backing coat and accessories fixed in strict accordance with manufacturer's instructions to timber purlins at not exceeding 1200mm centres:				
1	Roof covering with pitch not exceeding 25° in transportable lengths not exceeding 20m.	m2	163		
2	Ridge capping 462mm girth, three times bent along girth.	m	29		
3	Narrow flute moulded polyethylene eaves closer to suit profile.	m	16		
4	Broad flute moulded polyethylene ridge closer to suit profile.	m	33		
	ROOF INSULATION				
	Carried to Collection			R	

Bill No. 5
Roof Covering

	Sisalation' FR 405 double sided fire retardant light industrial grade reinforced aluminium foil insulation sheeting:				
5	Insulation laid taught over timber rafters at not exceeding 1200mm centres and fixed concurrent with purlins with minimum 150mm laps sealed with aluminium adhesive tape.	m2	163		
	Carried to Collection			R	

Bill No. 5
Roof Covering

Bill No. 5

Roof Covering

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	84		
	85		
Carried Forward to Summary of Section No. 4		R	

Bill No. 5
Roof Covering

Item No		Quantity	Rate	Amount
	BILL NO.6 : CARPENTRY AND JOINERY			
	SUPPLEMENTARY PREAMBLES			
	Prefabricated roof trusses:			
	Prefabricated timber rood trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the Architect.			
	Prices must include for all cross and wind bracing according to the manufacturer's instructions.			
	Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.			
	Pre-fabricated timber roof trusses shall comply with the requirments of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.			
	Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightley clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.			
	The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.			
	In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralizing paint.			
	Carried to Collection		R	

Approval of pre-fabricated roofing systems, whether measured as an alternative or not shall be subject to the following requirments: (a) The manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Institute for Timber Construction. (b) A polyester print, size A1 having a minimum thickness of 0,5mm shall be submited by the contractor to the Regional Representitave at an early stage for approval by the Directorate: Structural Engineering Services. (c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Department panel for structural work. (d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

(a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.

(b) Bracing as recommened by the Institute for Timber Construction.

(c) Sizes and grading of the timber components.

(d) Truss sizes, e.g. height of ridge or angle of pitch.

(e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).

(f) Separate connection details for hip, valley and jack rafters.

(g) Maximum spacings for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.

(h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representitive / Agent. The Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of comfirmation to the Department that.

Carried to Collection R

Bill No. 6
Caprentry & Joinery

	The roof structure(s) has (have) been erected in accordance with the Design Enginer's drawings, as accepted by the Department, and the relevant details given in the manual 'THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES' Issued by the National Timber Research Institute and the Institute for Timber Construction'.				
	Fixing:				
	Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.				
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres.				
	ROOFS ETC				
	Sawn softwood:				
1	38 x 114mm Wall plates.	m	59		
2	38 x 228mm Gangboards.	m	1		
3	50 x 76mm Trimmers.	m	28		
4	76 x 76mm Splayed purlins.	m	59		
	PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION, ETC				
	Plate nailed timber roof truss construction:				
5	Roof construction to double pitched roof 10,33 x 4,90m overall on plan, having a 17 degree pitch and 850/75mm overhangs at eaves, including trusses, jack rafters, permanent bracing and 50 x 76mm purlins at not exceeding 1200mm centres for roof covering (wall plates elsewhere measured) as per 'Boys Toilet Block' drawing annexed to these bills of quantities for tender purposes.	No	1		
	Carried to Collection			R	

Bill No. 6
Caprentry & Joinery

6	Roof construction to double pitched roof 10,93 x 4,90m overall on plan, having a 17 degree pitch and 850/75mm overhangs at eaves, including trusses, jack rafters, permanent bracing and 50 x 76mm purlins at not exceeding 1200mm centres for roof covering (wall plates elsewhere measured) as per 'Girls Toilet Block' drawing annexed to these bills of quantities for tender purposes.	No	1		
7	Roof construction to double pitched roof 9,42 x 4,65m overall on plan, having a 17 degree pitch and 300/600mm overhang at eaves, including trusses, jack rafters, permanent bracing and 50 x 76mm purlins at not exceeding 1200mm centres for roof covering (wall plates elsewhere measured) as per 'Grade R Toilet Block' drawing annexed to these bills of quantities for tender purposes.	No	1		
	EAVES, VERGES, ETC				
	Medium density fibre-cement boards:				
8	12 x 225mm Fascia boards fixed to roof timbers with brass screws and 38 x 50 x 114mm softwood blocking pieces including 'Chromaprep' or equal and approved fascia joiners.	m	59		
	Fibre-cement barge boards:				
9	260 x 260mm Barge board, butt jointed with 'Chromaprep' or equal and approved H-profile joiners, screwed on.	m	34		
	FRAMED DOORS, ETC.				
	Wrought meranti doors hung to steel frames:				
10	44mm Framed, ledged and braced batten door 813 x 2032mm high of 44 x107mm top rail and stiles, 22 x 107mm middle ledge, 22 x 222mm bottom rail and 22 x 70mm braces, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles.	No	6		
	FLUSH DOORS				
	Carried to Collection			R	

	Solid core flush doors with 3.2mm standard hardboard covering on both sides with hardwood edge strips to vertical edges, hung to steel frames:				
11	40mm Door 813 x 1932mm high.	No	15		
	Carried to Collection			R	

Bill No. 6

Caprentry & Joinery

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	87		
	88		
	89		
	90		
	91		
Carried Forward to Summary of Section No. 4		R	

Item No		Quantity	Rate	Amount
	BILL NO.7 : CEILINGS PARTITIONS AND ACCESS FLOORING			
	SUPPLEMENTARY PREAMBLES			
	Fixing:			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as bolted the bolts have been measured elsewhere.			
	Ceilings:			
	Unless otherwise described ceilings shall be deemed to be horizontal.			
	Steel components:			
	All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121.			
	Openings in nailed-up ceilings:			
	Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc are to include for any necessary additional support, trimming around, etc			
	Proprietary suspended ceilings:			
	Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations.			
	Carried to Collection		R	

	Electrical light fittings, diffusers, panels, etc generally are lay in units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof).				
	General:				
	Only specialist ceiling subcontractors approved by the manufacturer of the materials shall be allowed to execute the work. Ceiling boards shall be arranged symmetrically about the room, with cut boards along walls and straight joints in both directions.				
	CEILING CONSTRUCTION, CORNICES, ETC.				
	SCREWED-UP CEILINGS				
	6.4mm Gypsum plasterboard ceilings with H-profile galvanised steel jointing strips with all nail or screw heads stopped and sanded level:				
1	Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres in one direction, at ends of sheets and at light fittings.	m2	79		
2	Extra over ceiling for 600 x 600mm anodised aluminium top hinged trap door including all necessary timber trimmers, framing, etc.	No	3		
	CORNICES, ETC				
	RhinoLite QuickCornice' moulded polystyrene cornices:				
3	75mm Coved cornice.	m	69		
	Wrought meranti:				
4	14 x 67mm Coved cornice.	m	81		
	INSULATION				
	Carried to Collection			R	

	Non-Combustible fibreglass insulation:				
5	135mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of brandering between roof timbers etc.	m2	77		
	Carried to Collection			R	

Bill No. 7
Ceilings

Bill No. 7

Ceilings

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	93		
	94		
	95		
Carried Forward to Summary of Section No. 4		R	

Bill No. 7
Ceilings

Item No			Quantity	Rate	Amount
	BILL NO.8 : IRONMONGERY				
	SUPPLEMENTARY PREAMBLES				
	Finishes to ironmongery:				
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered : CH Chromium plated : SC Satin chromium plated : SE Silver enamelled : GE Grey enamelled : AS Anodised silver : AB Anodised bronze : AG Anodised gold : ABL Anodised black : PB Polished brass : PL Polished and lacquered : PT Epoxy coated.				
	Descriptions:				
	Descriptions of ironmongery shall be deemed to include for fixing to wood, aluminium and steel.				
	HINGES, FLOOR SPRING HINGES, BOLTS, PANIC BOLTS, ETC				
	Dorma':				
1	DFC-SS-022 305mm Adjustable roller bolt.	No	1		
	LOCKS, ETC				
	Dorma':				
2	D037D SS Cylinder deadlock.	No	1		
3	D036S SS Stainless steel cylinder sash lock.	No	1		
4	DWC-005 stainless steel WC indicator with turn knob.	No	15		
	EN SUITE LOCKS				
	The following locks and cylinder locks are to be suitable for master and grand master key operation.				
	Carried to Collection			R	

	Dorma':				
5	DSC104301 MK 43mm five pin Euro-profile single cylinder.	No	5		
6	DDC106601 MK 66mm five pin Euro-profile double cylinder	No	1		
	HANDLES, FLUSH PULLS, ESCUTCHEONS, ETC				
	Dorma':				
7	CB30 Cyl SC Lever handle on plate with cylinder cut out.	No	6		
	KEY TAGS				
8	40mm Diameter x 3mm thick clear perspex key tag with black painted background with 10mm high reverse engraved and white painted Helvetica Medium numerals holed for and fitted with 22mm diameter split key ring.	No	7		
	LETTERS, NAMEPLATES, ETC				
9	40 x 40 x 5mm Thick black acrylic door number plate with two numbers size 25mm high, engraved in Arial font and painted white, fixed to door frame or wall with chromium plated domeheaded screws.	No	1		
	Dorma' door mounted single sided stainless steel signs:				
10	150 x 150mm DSS-130 M stainless steel male sign.	No	1		
	Assa Abloy' or equal and approved single sided stainless steel signs plugged to brickwork or fixed to timber doors:				
11	SS5066-06SSE15 with 'BOYS TOILETS' sign.	No	1		
12	SS5066-06SSE10 with 'GIRLS TOILETS' sign.	No	1		
13	SS5066-06SSE14 with 'DISABLED TOILET' sign.	No	1		
14	SS5066-06SSE15 with 'MALE STAFF TOILET' sign.	No	1		
15	SS5066-06SSE11 with 'FEMALE STAFF TOILET' sign.	No	1		
	Carried to Collection			R	

Bill No. 8
Ironmongery

	SUNDRIES				
16	Dorma' DDS-SS-017 Stainless steel floor door stop plugged.	No	5		
17	Dorma' DHC-SS-031B stainless steel hat and coat hook with rubber buffer.	No	15		
	BATHROOM FITTINGS				
	Bidvest Steiner':				
18	160 x 105 x 310mm High white PVC 'Liquid Dispenser' soap dispenser, plugged.	No	2		
19	315 x 235 x 440mm High white PVC 'Steiner Paper Towel Cabinet' paper towel dispenser, plugged.	No	2		
20	135 x 140 x 385mm High 'TR3' white three toilet roll holder, plugged.	No	21		
21	510 x 160 x 550mm High 'Intima She Bin - Pedal' sanitary towel disposal bin.	No	1		
	Kimberly Clark':				
22	Aquarius' white waste bin (code 6993), plugged.	No	2		
	Franke':				
23	32mm Diameter Grade 304 stainless steel fold down paraplegic grab rail (code: CNTX70B), size 850 x 100 x 249mm, plugged.	No	1		
24	32mm Diameter Grade 304 stainless steel cistern and flush valve back rail (code: CNTXBR), size 750 x 260mm, plugged.	No	1		
	Carried to Collection			R	

Bill No. 8
Ironmongery

Bill No. 8

Ironmongery

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	97		
	98		
	99		
Carried Forward to Summary of Section No. 4		R	

Bill No. 8
Ironmongery

Item No		Quantity	Rate	Amount
	BILL NO.9 : METALWORK			
	SUPPLEMENTARY PREAMBLES			
	Purpose made steel windows:			
	Purpose made steel windows shall be manufactured in accordance with the relevant SABS/SANS specifications in "FX7" sections. All steel windows are to manufactured from 3mm thick steel.			
	Descriptions of galvanised steel windows shall be deemed to include sealing with approved silicone compound along edges as necessary.			
	Purpose made steel security gates:			
	Detail drawings of some of the steel security gates are annexed to these bills of quantities for tender purposes.			
	Descriptions:			
	Descriptions of bolts shall be deemed to include nuts and washers.			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.			
	Items described as 'holed for bolt(s)' shall be deemed to exclude the bolts unless otherwise described			
	Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres.			
	Aluminium doors, windows, etc.			
	Design:			
	Carried to Collection		R	

The contractor shall be responsible for the design of the curtain walling, aluminium windows, shopfronts and doors and shall provide detailed shop drawings for approval by the Principal Agent prior to putting any work in hand and within two weeks of being awarded the contract.

Aluminium curtain walling, shopfronts, doors and windows shall comply with AAAMSA design criteria.

The design wind load for the glazed facade (external) shall be 1500Pa, in accordance with Table 3.1: Selection of AAAMSA Performance Class Designations.

Warranties:

The design wind load for internal aluminium shopfronts and doors shall be a minimum of 700Pa, in accordance with Table 3.1: Selection of AAAMSA Performance Class Designations.

Design intent:

Tenderers are referred to Window and Door Schedules annexed to these bills of quantities for the architectural design intent.

System supplier:

The system supplier for the aluminium curtain walling, windows, shopfronts and doors shall be AGI Sheerline Aluminium or equal and approved.

Glass and glazing:

Glazing shall comply with SAGGA regulations and SANS 10137. Glass shall be as specified on Shopfront Schedules and shall be of thickness and type to comply with the SAGGA regulations and SANS 10137.

Finishes:

Anodising shall comply with SANS 999 and shall be Grade AA25 (average coating thickness of 25 micron).

Carried to Collection R

Bill No. 9
Metalwork

Powder coating shall be polyester powder coating of 'White' colour. Polyester powder coating shall comply with SANS 1796 and SANS 1578.

Quality assurance:

Prior to the commencement of any site work, the following is required to be provided by the manufacturer/specialist contractor supplying/installing the aluminium curtain walling, windows, shopfronts and doors:

a) AAAMSA Performance Test Certificate/s

b) Shop drawings/detailed manufacturing drawings, including any relevant manuals (all for approval by the Principal Agent)

Upon completion of all site work and installation, the following is required to be provided by the manufacturer/specialist contractor supplying/installing the aluminium curtain walling, windows, shopfronts and doors:

c) AAAMSA or SAGGA Glass & Glazing Certificate/s

d) AAAMSA Surface Finishing Certificate/s

e) AAAMSA or SASA Skylight System Certificate/s (where applicable)

f) AAAMSA Architectural Product Certificate/s (where applicable).

The following warranties are required to be provided:

a) A powder guarantee of not less than 15 years issued by the powder manufacturer.

b) A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degredation for a period of not less than five years.

Descriptions:

Carried to Collection R

Bill No. 9
Metalwork

	Descriptions of aluminium curtain walling, windows, shopfronts and doors shall be deemed to include all necessary temporarary protection measures, burglar bars, as described and fittings as well as timber or other subframes, templates, etc which are required in terms of the approved design.				
	All opening sections of the external aluminium windows and shopfronts are to be fitted with three 10 x 20mm solid aluminium burglar bars.				
	Descriptions of aluminium curtain walling, windows, shopfronts and doors shall be deemed to include sealing with approved silicone sealing compound along edges as necessary.				
	Descriptions of aluminium curtain walling, windows, shopfronts and doors shall be deemed to include preparation for fitting of ironmongery.				
	The sizes stated in the descriptions of aluminium units are indicative only, not perscriptive and may have to to adjusted to suit circumstances.				
	Testing of windows for watertightness: Each window shall be tested for watertightness with water sprayed on using adequate pressure. If, in the opinion of the Principal Agent, the pressure proves to be inadequate then the pressure shall be boosted by means of compressed air or other means.				
	Ironmongery:				
	Ironmongery (where not included in descriptions of aluminium curtain walling, windows, shopfronts and doors) is elsewhere measured.				
	GALVANISED STEEL GATES, SCREENS, ETC				
	Welded grille gates, screens, etc all as per architect's Door Schedule Drawings annexed to these bills of quantities for tender purposes:				
1	Single gate 925 x 2080mm high of 50 x 50 x 2mm square hollow section frame filled in with 10 x 10mm diagonal bars at 100mm centres and including all necessary hinges, pins, plates, locking mechanisms, etc. (G04)	No	5		
	Carried to Collection			R	

Bill No. 9
Metalwork

	FACTORY PRIMED PRESSED STEEL DOOR FRAMES				
	1,2mm Double rebated frames suitable for half brick walls:				
2	Frame for door 813 x 2032mm high.	No	15		
	1,2mm Double rebated frames suitable for one brick walls:				
3	Frame for door 813 x 2032mm high.	No	7		
	1,2mm Double rebated frames suitable for 270mm brick walls:				
	FACTORY PRIMED STEEL WINDOWS, DOORS, ETC				
	Standard residential type window frames with factory fitted burglar bars to all opening sections:				
4	Window type E1, size 533 x 654mm high. (W09)	No	28		
5	Window type 4BH BHOI, size 889 x 457mm high. (W07)	No	4		
	Carried to Collection			R	

Bill No. 9
Metalwork

Bill No. 9

Metalwork

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	101		
	102		
	103		
	104		
	105		
Carried Forward to Summary of Section No. 4		R	

Item No			Quantity	Rate	Amount
	BILL NO.10 : PLASTERING				
	SCREEDS				
	3:1 Cement plaster screeds (Class 1) on concrete:				
1	25mm Thick on floors and landings.	m2	77		
2	30mm Thick on floors and landings.	m2	12		
	SELF-SMOOTHING EPOXY SCREEDS				
	Apply one coat 'Flowcrete Flowprime' solvent based epoxy sealer and penetrating coat and one 2mm thick coat 'Flowcrete Flowshield SL' epoxy, applied in strict accordance with manufacturer's specifications by approved 'Flowcrete' applicator:				
3	On floors to falls.	m2	83		
	INTERNAL PLASTER				
	4:1 Cement plaster steel trowelled on brickwork:				
4	On walls.	m2	287		
5	On narrow widths not exceeding 300mm wide.	m2	15		
	CORNER PROTECTORS, DIVIDING STRIPS, ETC				
6	30 x 3mm Flat section brass dividing strip between different floor finishes.	m	5		
	INTERNAL PLASTER				
	4:1 Cement plaster steel trowelled on brickwork:				
7	On walls.	m2	100		
8	Extra over last for 'Sikalite' or similar approved waterproofing admixture.	m2	100		
	SELF-SMOOTHING EPOXY SCREEDS				
	Carried to Collection			R	

	Apply one coat 'Flowcrete Flowprime' solvent based epoxy sealer and penetrating coat and one 2mm thick coat 'Flowcrete Flowshield SL' epoxy, applied in strict accordance with manufacturer's specifications by approved 'Flowcrete' applicator:				
9	On floors to falls.	m2	15		
	Carried to Collection			R	

Bill No. 10
Plastering

Bill No. 10

Plastering

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	107		
	108		
Carried Forward to Summary of Section No. 4		R	

Bill No. 10
Plastering

Item No			Quantity	Rate	Amount
	BILL NO.11 : TILING				
	SUPPLEMENTARY PREAMBLES				
	Fixing:				
	Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts as recommended by the manufacturer of the tiles.				
	WALL TILING				
	200 x 200mm Grade 1 white glazed ceramic wall tiles fixed with adhesive to plaster (plaster elsewhere) and pointed with waterproof grout:				
1	On walls in isolated panels, splashbacks, etc.	m2	6		
	FLOOR TILING				
	Approved glazed non-slip ceramic floor tiles (prime cost R180.00/m2) fixed with adhesive to screeds (screeds elsewhere) and pointed with waterproof grout:				
2	On floors.	m2	77		
3	Skirting 100mm high formed of cut tiles.	m	138		
	SUNDRIES				
4	M-Trim' PRE090 PVC round edge trim.	m	25		
5	8 x 10mm 'M-Trim' SQE100 or equal and approved brushed stainless steel square edge trim.	m	5		
	Carried Forward to Summary of Section No. 4			R	

Item No		Quantity	Rate	Amount

BILL NO.12 : PLUMBING AND DRAINAGE

SUPPLEMENTARY PREAMBLES

Copper pipes:

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be Cobra type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.

Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition.

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Fixing of pipes:

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include for fixing to walls, etc. casting in, building in or suspending not exceeding 1m below suspension level

Carried to Collection R

	Disinfection of water pipework:				
	Water pipework to be disinfected at completion.				
	Waste unions:				
	Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.				
	Sealing of edges:				
	Outer edges of sinks, basins, urinals, etc are to be sealed against adjacent surfaces with approved silicone sealant.				
	As-built drawings:				
	Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto originals for handing over to the employer (provision for allowance of as-built drawings elsewhere).				
	SANITARY FITTINGS				
	Vaal':				
1	455 x 290mm 'Bantam' (code 703003) wash hand basin with one taphole, integrated overflow and chainstay hole, bolted to wall with and including two 10mm bolts (code 8448Z0).	No	1		
2	510 x 405mm 'Hibiscus' (code 702303) wash hand basin with one taphole, integrated overflow and chainstay hole, bolted to wall with and including two 10mm bolts (code 8448Z0).	No	12		
	Atlas Plastics':				
3	570 x 400mm 'Christy' (code 382AP) wash hand basin with two tapholes bolted to wall with and including galvanised bracket and four 10mm bolts.	No	4		
	Carried to Collection			R	

Bill No. 12
Plumbing & Drainage

4	VIP 200 Inc' or equal and approved moulded polyethylene WC pedestal with incorporated seat and flap (code 222AP) including foot piece and 'VIP 200 inlet funnel' (code 224AP).	No	17		
5	Bambi VIP Pan' (code 627AP) or equal and approved moulded polyethylene WC pedestal with incorperated seat and flap including foot piece and inlet funnel.	No	3		
6	VIKING' 509AP moulded polyethylene urinal 320 x 363 x 553mm high fixed to walls.	No	5		
	WASTE UNIONS, ETC				
	Cobra':				
7	32mm Chrome plated basin waste union (code 301).	No	17		
	TRAPS ETC				
8	32 x 40mm 'Flexitrap' butyl rubber deep seal 'P' or 'S' trap jointed to waste outlet fitting and to PVC pipe including coupling clamps, etc.	No	9		
	uPVC:				
9	40mm Deep seal 'P' trap.	No	12		
	TAPS, VALVES, ETC				
	Cobra':				
10	15mm Ball-o-stop valve.	No	22		
11	25mm 1001/125 Fullway gate valve.	No	3		
12	15mm Chrome plated code 211-15 'Star' pillar tap.	No	4		
13	15mm Chrome plated code KM2-102 demand push button pillar tap.	No	12		
14	25mm Brass code 1050-25 in-line strainer.	No	3		
15	15mm Stainless steel braided flexible hose 400mm long.	No	21		
	SANITARY PLUMBING				
	Carried to Collection			R	

	uPVC pipes:				
16	40mm Pipes.	m	37		
17	50mm Pipes.	m	10		
18	110mm Pipes.	m	8		
19	40mm Pipes chased into brick walls.	m	8		
20	40mm Pipes laid in and including trenches under surface beds.	m	32		
21	50mm Pipes laid in and including trenches under surface beds.	m	10		
	Extra over uPVC pipes for fittings:				
22	40mm BSP adaptor.	No	19		
23	40mm Bend.	No	58		
24	50mm Bend.	No	5		
25	40mm Access bend.	No	9		
26	110mm Access bend.	No	2		
27	40mm Junction.	No	8		
28	50mm Junction.	No	2		
29	110mm GI Two-way vent valve.	No	1		
	Pit ventilation:				
30	315mm PE100 HDPE pipes.	m	44		
31	Galvanised steel 'Whirlyvent' turbine ventilator with 300mm throat diameter mounted on HDPE pipe (pipe elsewhere).	No	11		
32	Extra over turbine ventilator for black epoxy powder coated finish.	No	11		
	Carried to Collection			R	

Bill No. 12
Plumbing & Drainage

	Cast Iron gratings, covers, etc:				
33	600 x 600mm Saint Gobain double seal manhole cover and frame (Type 8B) with locking bar.	No	22		
	Testing:				
34	Testing waste pipe system.		Item		
	WATER SUPPLIES				
	Geberit Mepla ML' multilayer pipes with 'PVDF' couplings:				
35	15mm Pipes.	m	89		
36	20mm Pipes.	m	1		
37	25mm Pipes.	m	2		
38	15mm Pipes chased into brick walls.	m	13		
	Extra over 'Geberit Mepla ML' multilayer pipes for 'PVDF' fittings:				
39	15mm Fittings.	No	105		
40	20mm Fittings.	No	3		
41	25mm Fittings.	No	1		
	Extra over 'Geberit Mepla ML' multilayer pipes for gunmetal fittings:				
42	15mm Fittings.	No	34		
	Class 2 copper pipes:				
43	22mm Pipes.	m	10		
	Extra over Class 2 copper pipes for capillary fittings:				
44	22mm Fittings.	No	4		
	Carried to Collection			R	

	Extra over Class 2 copper pipes for brass compression fittings:				
45	22mm Fittings.	No	4		
	Disinfecting:				
46	Disinfecting water pipe system.		Item		
	Testing:				
47	Testing water pipe system.		Item		
	SLEEVES				
	PVC sleeves for pipes not exceeding 100mm diameter.				
48	Sleeve not exceeding 250mm long.	No	2		
	SUPPLEMENTARY PREAMBLES				
	Fixing of pipes:				
	Unless specifically otherwise stated, descriptions of pipes shall be deemed to include for fixing to walls, etc. casting in, building in or suspending not exceeding 1m below suspension level				
	RAINWATER DISPOSAL				
	Marley Vynadeep' or equal and approved uPVC gutters and rainwater pipes:				
49	125 x 87mm Eaves gutters in single lengths fixed to fibre cement fascia with uPVC fascia brackets at 600mm centres.	m	59		
50	Extra over eaves gutter for stopped end.	No	12		
51	Extra over eaves gutter for outlet for 88mm diameter pipe.	No	6		
52	88mm Diameter rainwater pipes fixed to wall with and including uPVC pipe clips at 900mm centres.	m	20		
53	Extra over rainwater pipe for swan neck ends.	No	8		
	Carried to Collection			R	

Bill No. 12
Plumbing & Drainage

54	Extra over rainwater pipe for shoe.	No	6		

Carried to Collection R

Bill No. 12
Plumbing & Drainage

Bill No. 12

Plumbing & Drainage

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	111		
	112		
	113		
	114		
	115		
	116		
	117		
Carried Forward to Summary of Section No. 4		R	

Bill No. 12
Plumbing & Drainage

Item No			Quantity	Rate	Amount
	BILL NO.13 : GLAZING				
	SUPPLEMENTARY PREAMBLES				
	Laminated Glass:				
	Laminated glass to have polyvinyl butyrol (PVB) interlayer(s).				
	GLAZING TO STEEL WITH PUTTY				
	6,38mm Normal strength clear laminated safety glass:				
1	Panes not exceeding 0,1 m².	m2	48		
	MIRRORS, ETC.				
	5mm Silvered float glass copper-free backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete:				
2	Mirror 450 x 600mm high with four screws.	No	12		
	Carried Forward to Summary of Section No. 4			R	

Item No			Quantity	Rate	Amount
	BILL NO.14 : PAINTWORK				
	SUPPLEMENTARY PREAMBLES				
	General:				
	All work to be executed in strict accordance with the specifications of the paint manufacturer.				
	Primers and first coats may be thinned in accordance with the paint specifications of the paint manufacturer to aid the absorption of the paint.				
	All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.				
	PAINTWORK TO NEW WORK				
	ON FLOATED PLASTER SURFACES				
	Prepare surfaces and apply one coat Dulux Trade Ecosure Plaster Primer and two coats Dulux Pearglo Waterbased satin enamel paint:				
1	On interior walls.	m2	297		
	ON PLASTERBOARD SURFACES				
	Prepare surfaces and apply one coat Plascon Professional Gypsum and Plaster Primer and two coats Plascon Professional Super Matt acrylic emulsion paint:				
2	On ceilings and cornices including priming nail heads and cover strips.	m2	83		
	ON FIBRE-CEMENT BOARD SURFACES				
	Prepare surfaces and apply one coat Plascon Bonding Liquid and two coats Plascon Professional Superior Low Sheen acrylic emulsion paint:				
3	On ceilings and cornices including priming nail heads and metal cover strips.	m2	14		
	Carried to Collection			R	

	Prepare surfaces and apply one coat Plascon Professional Alkali Resistant Plaster Primer and two coats Plascon Velvaglo water-based enamel paint:				
4	On cills, etc not exceeding 300mm girth.	m	15		
	ON METAL SURFACES				
	Prepare surfaces, touch up by cleaning with Plascon Aquasolv Degreaser and applying Plascon Water-based Metal Primer and apply two coats Plascon Velvaglo water-based enamel paint on factory primed steel:				
5	On door frames.	m2	28		
6	On cottage pane windows with burglar bars (both sides measured over full flat area).	m2	21		
	Prepare surfaces and apply one coat Plascon Galvanised Iron Primer and two coats Plascon Velvaglo water-based enamel paint on galvanised steel:				
7	On grille gates (both sides measured over full flat area).	m2	4		
	ON WOOD SURFACES				
	Prepare surfaces and apply one coat Plascon Professional Alkali Resistant Plaster Primer and two coats Plascon Velvaglo water-based enamel paint:				
8	On doors.	m2	54		
9	On cornices not exceeding 300mm girth.	m	81		
	Prepare surfaces and apply three coats Plascon Woodcare Exterior water-based varnish:				
10	On doors.	m2	22		
	ON WOOD				
	Prepare surfaces and apply one coat Plascon Wood Primer and two coats Plascon Velvaglo Polyurethane Enamel paint:				
11	On roof timbers at eaves and verges.	m2	18		
	Carried to Collection			R	

Bill No. 14
Paintwork

Bill No. 14

Paintwork

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	120		
	121		
Carried Forward to Summary of Section No. 4		R	

Bill No. 14
Paintwork

4

SECTION SUMMARY - Section No.4 : Ablutions

Bill No		Page No	Amount
	Earthworks	70	
	Concrete	76	
	Masonry	82	
	Waterproofing	83	
	Roof Covering	86	
	Caprentry & Joinery	92	
	Ceilings	96	
	Ironmongery	100	
	Metalwork	106	
	Plastering	109	
	Tiling	110	
	Plumbing & Drainage	118	
	Glazing	119	
	Paintwork	122	
	Carried to Final Summary		R

Item No		Quantity	Rate	Amount

SECTION 2

Bill No 1

ALTERNATIVE BUILDING TECHNOLOGY

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

All prices for the Prefabricated Building Bill of Quantities must include for all establishment and overhead charges to be incurred by the specialist supplier and sub-contractor. No additional charge will be entertained by the Employer for failure to price accordingly.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

PREFABRICATED BUILDING STRUCTURES

NOTE: All the alternative building technology buildings are design build therefore the contractor must employ a competent qualified design team for the design, construction supervision and commissioning of the buildings. The Modular Structures Specifications for Design, Manufacture, Supply, Deliver and Erect Prefabricated Structures attached to these Bills must be applied by the design team. JBCC principal building agreement clause will not apply on the alternative building technology buildings.

Carried to Collection R

Bill No. 1
Alternative Building Technology

Description of erection process:

All material, workmanship, etc are to be of highest quality and must comply with SANS 10400 and SANS 204:2011.

A Concrete Floor Construction Method is to be used for this Project.
Platforms and Concrete Floors on which the Structure will be placed is measured under External Works.
Concrete verandahs floors and V-channels will also be measured under External Works.

Shop drawings and designs:

Successful Contractor must provide the Principal Agent with shop drawings and foundation designs before commencing with works on site. The Contractor must resume with the works only after the Client / Principal agent has approved the design of the buildings.

Quality certificates:

1. Contractor must provide compaction certificate for density. 2. Contractor must provide concrete compressive strength certificate. 3. Contractor must provide a structural walling certificate. 4. Contractor must provide a roof covering certificate. 7. Contractor must provide a certificate of compliance for electrical installation. 8. Contractor must provide a lighting protection certificate where applicable. 9. Contractor must provide a commission certificate for the entire building, it must also confirm the life expectancy of the building which be not less than 50 years.

Carried to Collection R

Bill No. 1
Alternative Building Technology

	Three (3) Classroom block "Prefabricated structure"				
1	Construction of prefabricated structure for classrooms **(60m2 per classroom)** building size 25 770mm x 8,880mm wide x 3,000mm high overall, building width is **inclusive of verandah 1,600mm wide** with verandah to be enclosed underside of the structure with clear vu mesh fence, poles encased in concrete.(Floor Construction Temporary) Prefabricated structure complete including prefabricated walling, doors, windows, ceilings, roofs and galvanised chasis, Electrical and finishes. Structure to conform to the NHBRC and SANS standards. Each classroom must have a pinning board size 4800 x 1200mm high, steel cabinet 900 x 450 x 1800mm high and chalk board size 4800 x 1200mm high. The structures must also include barge boards, fascia boards, gutters and downpipes. Refer to T2.2W for further specifications	No	1		
	Carried to Collection			R	

Bill No. 1
Alternative Building Technology

Bill No. 1

Alternative Building Technology

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	124		
	125		
	126		
Carried to Final Summary		R	

Bill No. 1
Alternative Building Technology

Item No		Quantity	Rate	Amount
	SECTION NO. 4 : EXTERNAL WORKS			
	BILL NO.1 : EARTHWORKS			
	EXTERNAL WORKS			
	SUPPLEMENTARY PREAMBLES			
	General:			
	Descriptions of demolitions give a rough guide only as to the scope of the work. Tenderers are therefore advised to visit the site before submitting a tender and to acquaint themselves with the nature and extent of the work to be done and the value of the recoverable materials which are not to be re-used or handed over to the Employer. Unless otherwise stated, loose furniture, kitchen and other equipment, apparatus, machinery, etc, shall remain the property of the Employer and the removal thereof does not fall within the scope of this Contract.			
	Nature and extent:			
	Refer to previous sections for Supplementary Preambles also applicable to this section.			
	The Contractor shall completely demolish the buildings, etc in a careful, skillful, practical and and safe manner. **Demolitions shall include breaking up and removing:** **-all floors and surface beds;** **- all foundation brickwork and strip footings including filling in holes where necessary and ramming and levelling to ground level;** **- all external screen walls, steps, aprons, ramps, gulleys, etc attached to the buildings to be demolished;** **- all toilets, basins, urinals, etc, and all services, manholes, etc in the ground to a point not less than 1m beyond the perimeter of the building including plugging off ends of all remaining pipes, drains, etc, filling in holes where necessary and ramming and levelling to ground level.**			
	Carried to Collection		R	

Removal of posts,etc with concrete bases shall include filling in holes with selected material from the excavations and compacting to a minimum 93% Mod AASHTO density.

Explosives:

No explosives whatsoever may be used for demolition purposes unless otherwise stated.

Notices, etc:

The Contractor shall, before commencing demolition work, obtain all necessary authorisation for carrying out the work, by whatever means including the use of pneumatic equipment or blasting, give all necessary notices and pay all charges and fees in connection therewith. The Contractor shall also comply with all regulations pertaining to rodent extermination, handling of asbestos/fibre cement and other dangerous products, etc and pay all necessary fees. All receipts and required certificates shall be handed to the Principal Agent and the Contractor shall pay all relevant charges and fees, which shall be deemed to be included in his prices. The Contractor shall give ample notice to the Principal Agent and School authorities regarding any disconnections necessary prior to the removal or interruption of electrical or telephone cables, water and sanitary services, etc

Removal or demolition of existing work comprising or containing asbestos products:

Where existing works comprising or containing asbestos products are removed or demolished, the Contractor shall ensure that such work is conducted in accordance with the provisions of the Asbestos Regulations promulgated by Government Notice No. R 155 of 10 February 2002, as amended, as provided for in clause 12 (9) of the Construction Regulations. Such works shall be carried out by a company registered with the Department of Labour as an Asbestos Contractor. Prior to the commencement of such works, a plan of work approved by an approved Asbestos Inspection Authority shall be submitted to the Provincial Director/ Provincial Executive Manager.

Carried to Collection R

Bill No. 1
External Works

	Materials from the demolitions, credit, etc:				
	Materials recovered from the demolitions will become the property of the Contractor, who may allow credit in respect thereof where provided for in the bills of quantities. Such materials shall not be re-used in any new work without written permission from the Principal Agent.				
	Disposal of debris:				
	The Contractor shall be responsible for the removal from the site of all materials, rubble, debris and rubbish resulting from the demolitions.				
	General:				
	Excavations shall be deemed to include setting aside material in prescribed stock piles on site as necessary. Filling and backfilling shall include for all section and any necessary multiple handling of material.				
	SITE CLEARANCE, ETC.				
	Site clearance, etc.:				
1	Allow for clearing the site of all grass, weeds, shrubs, trees with trunks not exceeding 200mm girth, concrete surface water channels, debris, etc., including grubbing up all roots, scoffeling up as required and carting away.	m2	566		
2	Stripping topsoil to an average depth of 150mm and stockpile on site.	m2	370		
	Excavations in earth not exceeding 2m deep:				
3	Reduced levels under floors, thickening, etc.	m3	118		
	BULK EXCAVATION, FILLING,ETC				
	Carried to Collection			R	

	Excavation in earth not exceeding 2m deep and dispose in prescribed stockplies on site including haulage not exceeding 500m from perimeter of excavations:				
4	Open face excavation over sloping site to form platforms under buildings, parking areas, etc.	m3	368		
	Extra over bulk excavations in earth for excavations in:				
5	Soft rock.	m3	37		
6	Hard rock.	m3	18		
	Extra over all excavations for carting away (no allowance made for increase in bulk):				
7	Surplus material from excavations and/or stock plies on site to a dumping site to be located by the Contractor.	m3	368		
	Keeping excavations free of water:				
8	Keeping excavations free of water other than subterranean water.		Item		
	Earth filling obtained from excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density:				
9	Over part of site to make up levels.	m3	113		
	Earth filling of G7 material supplied by the Contractor, compacted to 95% Mod AASHTO density:				
10	Over part of site to make up levels.	m3	142		
	Compaction of surfaces:				
11	Compaction of ground surface under channels, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density.	m2	397		
	Carried to Collection			R	

Bill No. 1
External Works

	Soil insecticide in accordance with SANS 5859:				
12	Under floors, etc including forming and poisoning shallow furrows against foundation walls, etc and filling in furrows and ramming.	m2	397		
	Prescribed tests:				
13	Mod AASHTO density tests	No	12		
	25MPa/20mm Concrete:				
14	Thickned Surface bed.	m3	15		
15	Verandah	m3	8		
	Finishing top surfaces of concrete smooth with a wood float:				
16	Aprons slabs, paving, etc to slight falls.	m2	156		
	Rough Formwork to sides:				
17	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	90		
	MOVEMENT JOINTS, ETC:				
	Two layers of 375 micron damproof course in slip joints between horizontal conccrete and and brick surface including cement mortar bed:				
18	Not exceeding 300mm wide.	m	105		
	Expansion joints with bitumen impregnated soft board between vertical brick and concrete surfaces:				
19	10mm Joints exceeding 300mm high.	m	4		
	Fabric reinforcement:				
20	Mesh Ref. No. 193 fabric reinforcement in concrete surface bed, etc.	m2	2		
	Carried to Collection			R	

Bill No. 1
External Works

	One layer 250 Micron green polythylene waterproof sheeting (SANS 952-1985 Type C) laid with minimum 150mm overlaps and sealedwith pressure sensitive tape:				
21	Under surface beds, aprons, etc.	m2	380		
	JOINT SEALANTS, ETC:				
22	Approved polysulphide sealing compound including bond breaker, primer, etc.	m	109		
	STORMWATER CHANNELS, ETC				
	Excavation in earth not exceeding 2m deep:				
23	Excavation in earth not exceeding 2m deep for reduced level under concrete aprons, channels, etc.	m3	57		
	Extra over all excavations for carting away:				
24	Surplus material from excavations and/ or stock piles on site to dumping site to be located by the contractor.	m3	57		
	Compaction of surfaces:				
25	Compaction of ground surface under channels, etc, including scarifying for a depth of 100mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density.	m2	190		
	Filling supplied by the contractor under stormwater channels:				
26	G7 material in accordance with SABS 1200ME compacted to 95% Mod AASHTO density.	m3	29		
	Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing:				
27	610mm Wide stormwater channel formed of two 300 x 125/90mm tapered channels (SANS 927 fig 14) bedded on 780mm wide x 100mm thick 10MPa/19mm unreinforced concrete base with 85 x 85mm continous unreinforced concrete hauncing along both edges, including excavation, backfilling, angles, intersections, ends, etc.	m	211		
	Carried to Collection			R	

Bill No. 1
External Works

	PLINTHS FOR WATER TANKS, WALKWAYS, ETC				
	Excavation in earth not exceeding 2m deep:				
28	To reduce levels under parking areas, walkways, etc and depositing excavated material in prescribed stock piles on site.	m3	26		
29	Trenches	m3	27		
	Extra over excavation in earth for reduced levels for excavation in:				
30	Soft rock.	m3	4		
31	Hard rock.	m3	2		
	Risk of collapse of excavations:				
32	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	38		
	Extra over all excavations for carting away (no allowance made for increase in bulk):				
33	Surplus material from excavations and/or stock piles to a dumping site to be located by the contractor.	m3	39		
	Earth filling supplied by the Contractor under parking areas, walkways, etc:				
34	G6 Material in accordance with SANS 1200 ME compacted to 95% Mod AASHTO density under parking areas, walkways, etc.	m3	1		
35	Base course of G7 material compacted to 98% Mod AASHTO density under tanks, walkways, etc	m3	33		
	Compaction of surfaces:				
36	Compaction of ground surface under paving to parking areas, walkways, etc including scarifying for a depth of 100mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m2	94		
	Carried to Collection			R	

	Prescribed density tests on filling:				
37	Modified AASHTO density test.	No	7		
	25Mpa/19mm Reinforced concrete:				
38	Walkways, ramps, etc	m3	10		
39	Footings	m3	6		
	Test cubes:				
40	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes.	No	8		
	Rough formwork (Degree of accuracy III):				
41	Edges, risers, ends, etc not exceeding 300mm wide.	m	98		
	Finishing top surfaces of concrete smooth with a wood float:				
42	Surface beds, walkways, ramps, tanks, etc.	m2	79		
	Expansion joints with with bitumen impregnated softboard between vertical concrete surfaces:				
43	10mm Joints not exceeding 300mm high.	m	34		
	Fabric reinforcement:				
44	Type 245 fabric reinforcement in concrete walkways, ramps, etc.	m2	82		
	Two-part polysulphide sealing compound including bond breaker, primer, etc:				
45	10 x 10mm Expansion joint including raking out expansion joint filler as necessary.	m	34		
	BRICKWORK				
46	One brick walls.	m2	38		
47	150mm Wide reinforcement built in horizontally.	m	160		
	Carried to Collection			R	

Bill No. 1
External Works

	Fair face to brickwork of selected building bricks in horizontal stretcher bond, pointed with recessed horizontal and vertical joints:				
48	Extra over for fair face.	m2	16		
49	Fair cutting and fitting around pipe not exceeding 100mm external diameter.	No	4		
50	220mm Wide turning piece.	m	32		
	PLUMBING				
	Polyethylene water storage tank:				
51	5000 Litre tank 1800mm diameter x 2040mm high complete with fixing lugs and lid, fitted with and including 15mm brass bibtap with handle suitable for padlocking and setting in position on concrete tankstand and tying down with 4mm diameter.	No	7		
52	Hole through top of tank lid for 100 x 100mm pipe.	No	7		
	Carried to Collection			R	

Bill No. 1
External Works

Bill No. 1

External Works

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	128		
	129		
	130		
	131		
	132		
	133		
	134		
	135		
	136		
Carried to Final Summary		R	

Bill No. 1
External Works

Item No		Quantity	Rate	Amount
	SECTION NO. 5 : PROVISIONAL SUMS			
	BILL NO.1 : PROVISIONAL SUMS			
	SUPPLEMENTARY PREAMBLES			
	General			
	Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
	PROVISIONAL SUMS FOR DOMESTIC SUBCONTRACT WORKS			
	The following provisional amounts are for work to be carried out by domestic sub-contractors in terms of clause 23 of the Principal Building Agreement:			
	ELECTRICAL INSTALLATION			
1	Provide the amount of R 100 000.00 (One Hundred Thousand Rand) for electrical installation and repairs.	Item		100,000.00
2	Profit on above item.	Item		
3	Attendance on ditto.	Item		
	SELECTED SUBCONTRACTS			
	CLO ALLOWANCE			
4	Provide an amount of R 39 000.00 (Thirty nine Thousand Rand) nett for Community Liaison Officer's omitted in part or whole as instructed by Principal Agent .	Item		39,000.00
5	Allow for profit.	Item		
6	Allow for attendance.	Item		
	Carried to Final Summary		R	

Bill No. 1
Provisional Sums

FINAL SUMMARY

Section No		Page No		Amount
1	Section No.1 : Preliminaries	32		
2	Section No 2: Demolitions, etc	36		
3	Section No.3 : Renovations	65		
4	Section No.4 : Ablutions	123		
5	Section 5: Alternative Building Technology	127		
6	Section No.6 : External Works	137		
7	Section No.7 : Provisional Sums	138		
	Total for Volume II, Building Works:		R	
	CONTINGENCIES			
	Allow five per cent (5%) of the above sub-total for contingencies to be used as directed and deducted in whole or in part if not required.		R	
	Sub Total		R	
	Add Value Added Tax at the rate of 15%		R	
	Carried to Form of Tender		R	

Part 6: Site Information

C4 Site Information

C4: SITE INFORMATION - JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 6.2 - May 2018)

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

C4 Site Information – Existing operational education facilities

GPS CO-ORDINATES	
GIS_Longitude	**GIS_Latitude**
-30.50793 S	**28.56177 E**

1. GROUND CONDITIONS

Geotech information not available. This is an existing site.

2. UNDERGROUND SERVICES

There are unidentifiable underground services traversing the area of works, care would need to be taken during excavations.

3. ADJACENT BUILDINGS

No adjacent buildings could be affected by the construction. No particular precautions have been identified by the Engineer for the protection of this structure.

4. ENVIRONMENTAL ISSUES

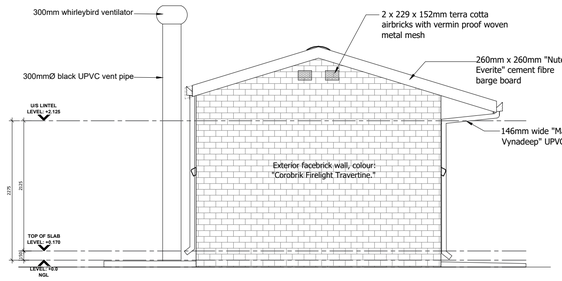
None

C5 Drawings

C5.1: DRAWINGS

Project title:	**APPOINTMENT OF A CONTRACTOR FOR EMERGENCY REPAIRS AT MORULANE JUNIOR SECONDARY SCHOOL**
Bid No:	**SCMU6-26/27-0009**

Drawing tile	Drawing number	Print date	Rev No.
Girls Toilets	See attached		
Boys Toilets	See attached		
Grade R Toilets	See attached		

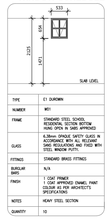


ELEVATION 4
scale 1:50



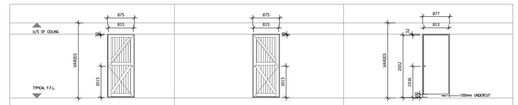
ELEVATION 2
scale 1:50

WINDOW SCHEDULE

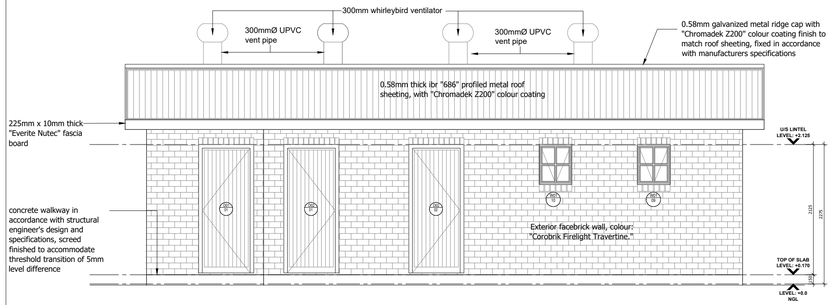


TYPE	ET ZUKOMEN
NUMBER	W01
FRAME	STANDARD STEEL SCHOOL RESIDENTIAL SECTION BOTTOM HUNG OPEN IN SABS APPROVED
GLASS	6.38mm SPACE SAFETY GLASS IN ACCORDANCE WITH SANS 10400 PART XA REGULATIONS AND FIXED WITH STEEL WINDOW PUTTY.
FITTINGS	STANDARD BRASS FITTINGS
BURGLAR BARS	N/A
FINISH	1 COAT PRIMER 2 X COAT APPROVED ENAMEL PAINT COLOUR AS PER ARCHITECTS SPECIFICATIONS
NOTES	HEAVY STEEL SECTION
QUANTITY	10

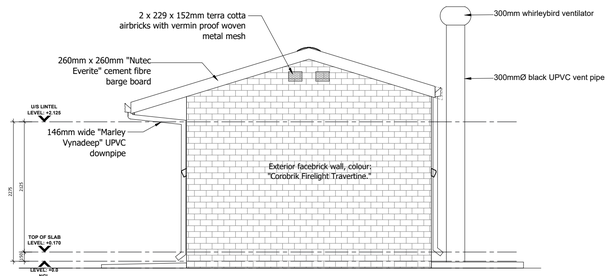
DOOR SCHEDULE



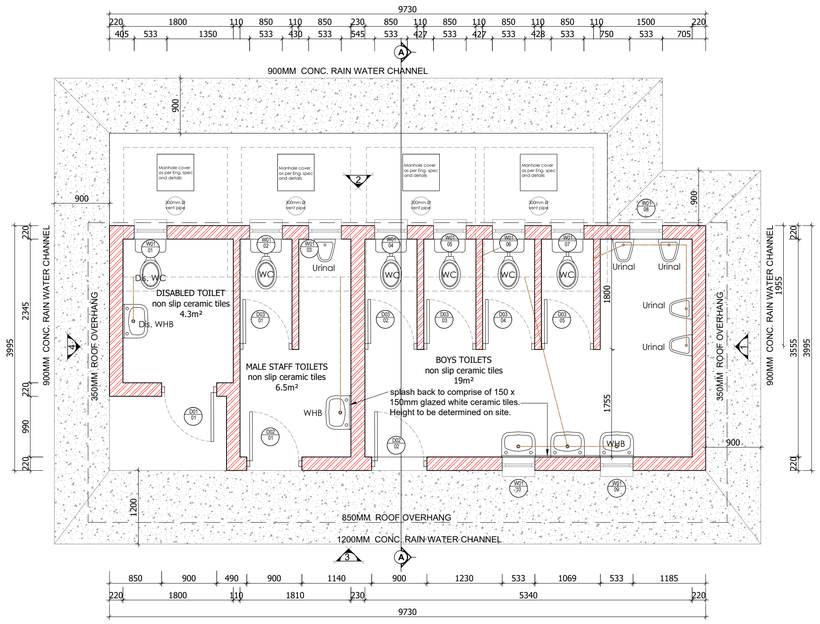
TYPE D01		TYPE D02		TYPE D03	
POSITION:	DISABLED TOILET	POSITION:	MALE STAFF & BOYS TOILET	POSITION:	ALL INTERNAL CUBICLE DOORS
DOOR TYPE :	813MM X 2032MM BRACED AND LEDGED SOLID EXTERNAL TIMBER DOOR	DOOR TYPE :	813MM X 2032MM BRACED AND LEDGED SOLID EXTERNAL TIMBER DOOR	DOOR TYPE :	813MM X 2032MM SOLID CORE TIMBER DOOR
DOOR FINISH:	3 X COATS CLEAR VARNISH	DOOR FINISH:	3 X COATS CLEAR VARNISH	DOOR FINISH:	3 X COATS CLEAR VARNISH
FRAME:	1.2MM DOUBLE REBATED SPONG (SPONG RAWKS FRAME), WITH SILL SUITABLE FOR 230MM WALL, TO ACCOMMODATE 813 X 2032 DOOR LEAF	FRAME:	1.2MM DOUBLE REBATED SPONG (SPONG RAWKS FRAME), WITH SILL SUITABLE FOR 110MM WALL, TO ACCOMMODATE 813 X 2032 DOOR LEAF	FRAME:	1.2MM DOUBLE REBATED SPONG (SPONG RAWKS FRAME), WITH SILL SUITABLE FOR 110MM WALL, TO ACCOMMODATE 813 X 2032 DOOR LEAF
FRAME FINISH:	1 X COAT ZINC CHROMATE PRIMER 2 X COAT APPROVED ENAMEL PAINT COLOUR AS PER ARCHITECTS SPECIFICATIONS	FRAME FINISH:	1 X COAT ZINC CHROMATE PRIMER 2 X COAT APPROVED ENAMEL PAINT COLOUR AS PER ARCHITECTS SPECIFICATIONS	FRAME FINISH:	1 X COAT ZINC CHROMATE PRIMER 2 X COAT APPROVED ENAMEL PAINT COLOUR AS PER ARCHITECTS SPECIFICATIONS
DOOR:	STANDARD APPROVED 'MERANTI' LEDGED AND BRACED DOOR	DOOR:	STANDARD APPROVED 'MERANTI' LEDGED AND BRACED DOOR	DOOR:	2032X813X40MM SOLID FLUSH PANEL DOOR WITH HARDBOARD BOTH SIDE AND 2 CONCEALED DOORS
IRONMONGERY:	4 LEVER SECURITY LOCKSET AND SATIN - CHROMED HANDLES ALL APPROVED/NOTED TO IRONMONGERY SCHEDULE, TO COMPLY WITH SANS 10400.	IRONMONGERY:	4 LEVER SECURITY LOCKSET AND SATIN - CHROMED HANDLES ALL APPROVED/NOTED TO IRONMONGERY SCHEDULE, TO COMPLY WITH SANS 10400.	IRONMONGERY:	SATIN CHROME WC INDICATOR BOLT LOCKSET
QUANTITY:	01	QUANTITY:	02	QUANTITY:	05
NOTE:	WEATHER BARS TO BE INSTALLED	NOTE:	WEATHER BARS TO BE INSTALLED	NOTE:	ALL DOORS TO RECEIVE 100mm UNDERCUT



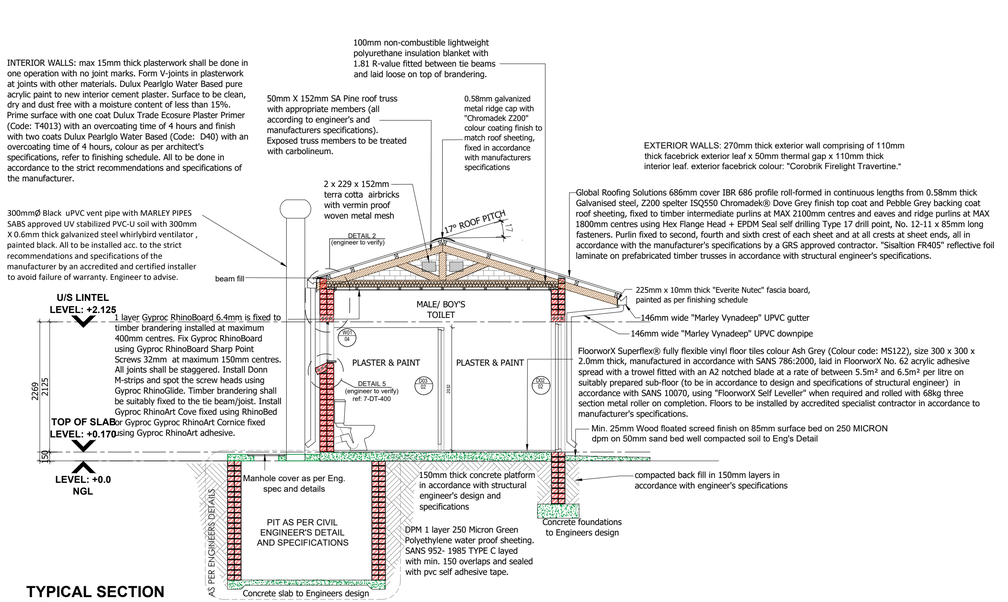
ELEVATION 3
scale 1:50



ELEVATION 1
scale 1:50



DISABLED, MALE STAFF & BOYS TOILET - FLOOR PLAN
scale 1:50



TYPICAL SECTION
scale 1:50

REV.	DATE	REVISION	DRAWN	DESIGN	CHECK	APPROVED

APPROVED BY PROFESSIONAL ARCHITECT:

DATE

GENERAL NOTES:

All work is to be carried in accordance with SANS 10400 and other relevant SABS standards.

The contractor shall in all aspects of the works comply with the provisions of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) as well as the Construction Regulations, 2014, as promulgated by the Department of Labour.

All contractors shall ensure that, before any work is put in hand, they comply with all the necessary Acts of Parliament of the Republic of South Africa. This drawing is not to be scaled. Figured dimensions to be used. All dimensions are in millimetres unless otherwise stated.
All levels and dimensions to be checked on-site by the contractor before work is carried out and any discrepancies to be reported to the Architect.
This drawing must be read in conjunction with all the relevant drawings, schedules and specifications from the Architect and all other consultants related to this project.

A. General notes :
All levels indicated are referenced to the assembly datum

1. All structural, electrical, civil and landscaping queries are to be referenced to the relevant consultants drawings, specifications and details.
2. All plumbing queries are to be referred to the relevant specialist consultant drawings, specifications & details.
3. All concrete columns and structure to structural engineers details & specifications.
4. All specifications with regard to fire regulations, to be referred to consultants details and specifications.
5. Any discrepancy in the drawings, dimensions & specifications to be brought to the attention of the consultant and the architect prior to any work being put in hand.
6. Dimensions - only figured dimensions to be followed, no scaling of drawings will be permitted.

Blockwork walls

1. In cavity walls build full height 200mm. Wide blockwork piers at maximum 1200mm. Centres.
2. In cavities exceeding 115mm, allow for 15mm. Joint between diaphragm pier and adjoining face.
3. Ties to be supplied to diaphragm piers, as per structural engineers specifications.
4. Provide movement joints where indicated on drawings marked up by site engineer.
5. All blockwork built butting up to concrete columns to be fixed to face of column with stainless "hoop iron" straps to structural engineer's details.
6. Supply stainless steel wall ties in all cavity walls to structural engineers specification.
7. All external walls to be supplied with dpm to internal skin, plus 50mm. Insulation in cavity.

CONSULTANTS

REFERENCE DRAWINGS

IMPLEMENTED BY

STAGE	PERSON	SIGNATURE	DATE	SHEET SIZE
DRAWN				SCALE

CLIENT

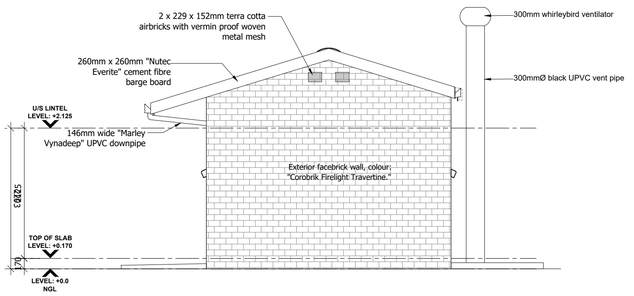
PROJECT

DRAWING TITLE

TOILET

EWIS NUMBER	DISCIPLINE	DRAWING NUMBER	STATUS	REVISION

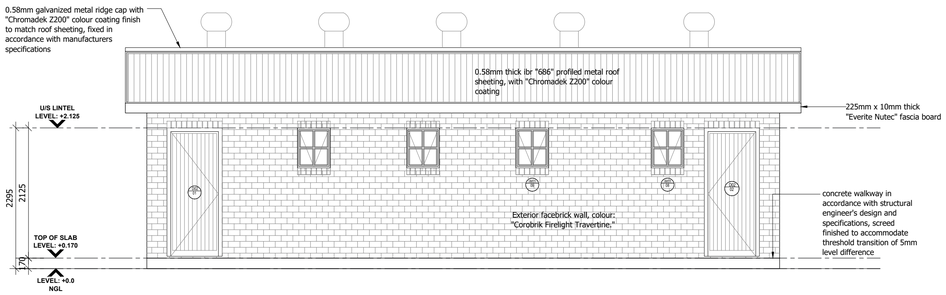
This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose.
We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.



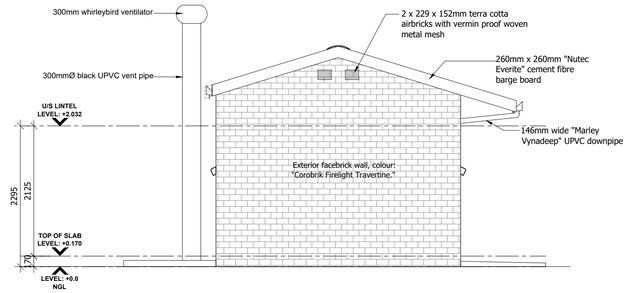
ELEVATION 4
scale 1:50



ELEVATION 2
scale 1:50

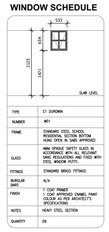


ELEVATION 3
scale 1:50



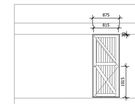
ELEVATION 1
scale 1:50

WINDOW SCHEDULE

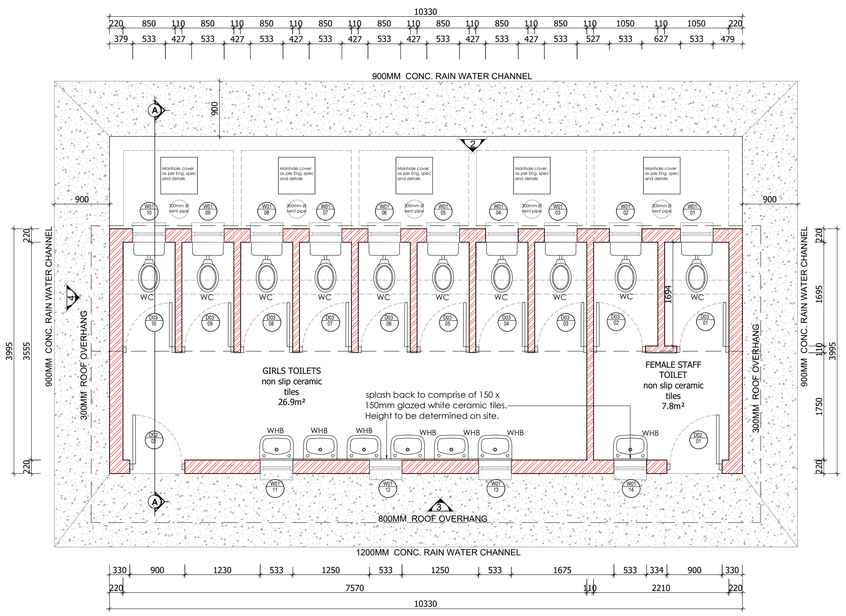


TYPE	C1 EUROPEN
NUMBER	W17
FRAME	STANDARD STEEL SCHOOL HEADSPAN SECTION BOTTOM HUNG WINDOW WITH OPENABLE VENTILATOR
GLASS	4MM SPARSAT SAFETY GLASS OR ACCORDANCE WITH ALL RELEVANT SANS SPECIFICATIONS FIXED WITH STEEL BEADING PUTTY
FITTINGS	STANDARD BRASS FITTINGS
BURGLAR BARS	N/A
FINISH	1 COAT PRIMER 1 COAT APPROVED ENAMEL PAINT COLOUR AS PER ARCHITECTS SPECIFICATIONS
NOTES	HEAVY STEEL SECTION
QUANTITY	09

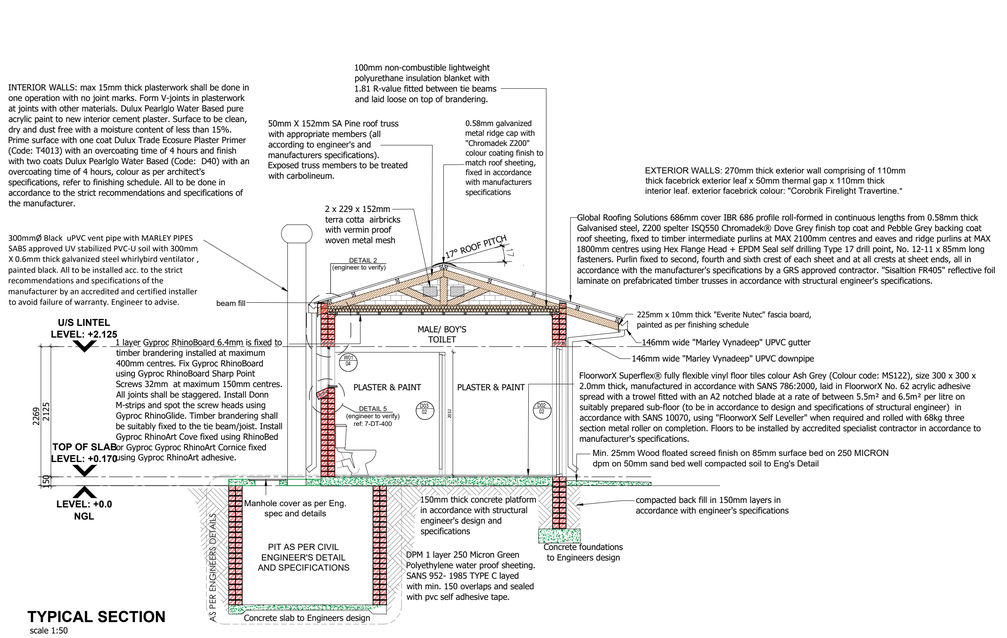
DOOR SCHEDULE



	TYPE D02	TYPE D03
POSITION:	FEMALE STAFF & GIRLS TOILET	ALL INTERNAL CUBICLE DOORS
DOOR TYPE :	813MM X 2032MM BRACED AND LOUVED SOLID EXTERNAL TIMBER DOOR	813MM X 2032MM SOLID TIMBER DOOR
DOOR FINISH:	3 X COATS CLEAR VARNISH	3 X COATS CLEAR VARNISH
FRAME:	125MM DOUBLE REBATED OPENING RAWARD FRAMES, WC SILL; SLOPING FOR 230MM WALL, TO ACCOMODATE 813 X 2032 DOOR LEAF	125MM DOUBLE REBATED OPENING RAWARD FRAMES, WC SILL; SLOPING FOR 110MM WALL, TO ACCOMODATE 813 X 2032 DOOR LEAF
FRAME FINISH:	1 X COAT ZNC CHROMATE PRIMER 2 X COAT APPROVED ENAMEL PAINT COLOUR AS PER ARCHITECTS SPECIFICATIONS	1 X COAT ZNC CHROMATE PRIMER 2 X COAT APPROVED ENAMEL PAINT COLOUR AS PER ARCHITECTS SPECIFICATIONS
DOOR:	STANDARD APPROVED 'NEWMAN' LOUVED AND BRACED DOOR	203MM/40MM SOLID FLUSH PANEL DOOR WITH HARDBOARD BOTH SIDE AND 2 CENTALED DUCT
IRONMONGERY:	4 LEVER SECURITY LOCKSET AND CATH + CHROMED HANDLES ALL APPROVED/SPEC'D TO MUNICIPALITY SCHEDULE, TO COMPLY WITH SANS 10400.	SATIN CHROME WC INDICATOR BOLT LOCKSET
QUANTITY:	02 LH: 01 RH: 01	06
NOTE:	WEATHER BARS TO BE INSTALLED	ALL DOORS TO RECEIVE 100mm UNDERCUT



FEMALE STAFF & GIRLS TOILET - FLOOR PLAN
scale 1:50



TYPICAL SECTION
scale 1:50

REV.	DATE	REVISION	DRAWN	DESIGN	CHECK	APPROVED

APPROVED BY PROFESSIONAL ARCHITECT:

DATE

GENERAL NOTES:

All work is to be carried in accordance with SANS 10400 and other relevant SABS standards.

The contractor shall in all aspects of the works comply with the provisions of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) as well as the Construction Regulations, 2014, as promulgated by the Department of Labour.

All contractors shall ensure that, before any work is put in hand, they comply with all the necessary Acts of Parliament of the Republic of South Africa. This drawing is not to be scaled. Figured dimensions to be used. All dimensions are in millimetres unless otherwise stated.
All levels and dimensions to be checked on-site by the contractor before work is carried out and any discrepancies to be reported to the Architect.
This drawing must be read in conjunction with all the relevant drawings, schedules and specifications from the Architect and all other consultants related to this project.

A. General notes :
All levels indicated are referenced to the assembly datum

1. All structural, electrical, civil and landscaping queries are to be referenced to the relevant consultants drawings, specifications and details.
2. All plumbing queries are to be referred to the relevant specialist consultant drawings, specifications & details.
3. All concrete columns and structure to structural engineers details & specifications.
4. All specifications with regard to fire regulations, to be referred to consultants details and specifications.
5. Any discrepancy in the drawings, dimensions & specifications to be brought to the attention of the consultant and the architect prior to any work being put in hand.
6. Dimensions - only figured dimensions to be followed, no scaling of drawings will be permitted.

Blockwork walls

1. In cavity walls build full height 200mm. Wide blockwork piers at maximum 1200mm. Centres.
2. In cavities exceeding 115mm, allow for 15mm. Joint between diaphragm pier and adjoining face.
3. Ties to be supplied to diaphragm piers, as per structural engineers specifications.
4. Provide movement joints where indicated on drawings marked up by site engineer.
5. All blockwork built butting up to concrete columns to be fixed to face of column with stainless "hoop iron" straps to structural engineer's details.
6. Supply stainless steel wall ties in all cavity walls to structural engineers specification.
7. All external walls to be supplied with dpm to internal skin, plus 50mm. Insulation in cavity.

CONSULTANTS

REFERENCE DRAWINGS

IMPLEMENTED BY

STAGE	PERSON	SIGNATURE	DATE	SHEET SIZE
DESIGNED				A1
DRAWN				SCALE: As shown
CHECKED				STATUS LEGEND: I = INFORMATION; T = TENDER; C = CONSTRUCTION; AB= AS BUILT
APPROVED				

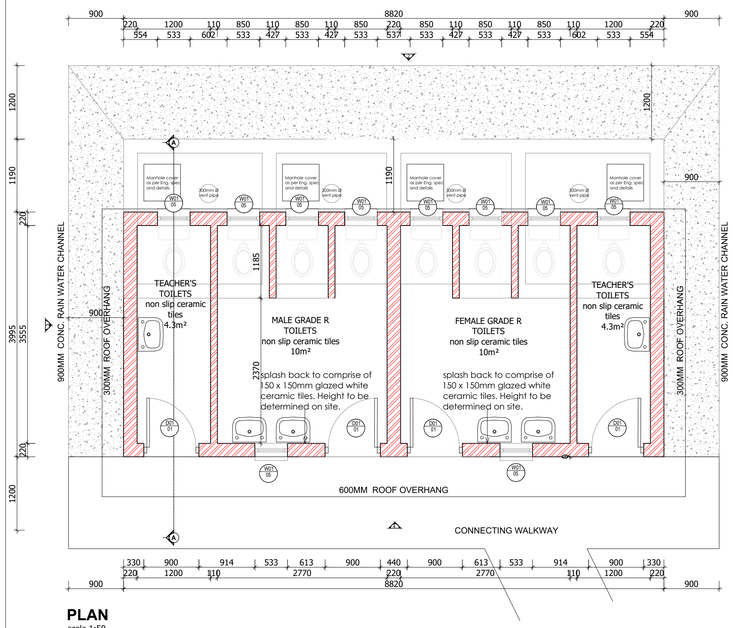
CLIENT

PROJECT

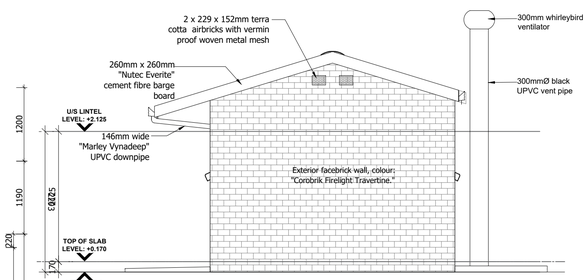
DRAWING TITLE

EWS NUMBER	DISCIPLINE	DRAWING NUMBER	STATUS	REVISION

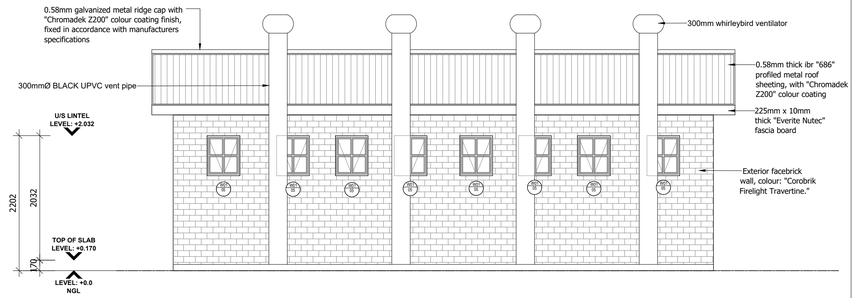
This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose.
We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.



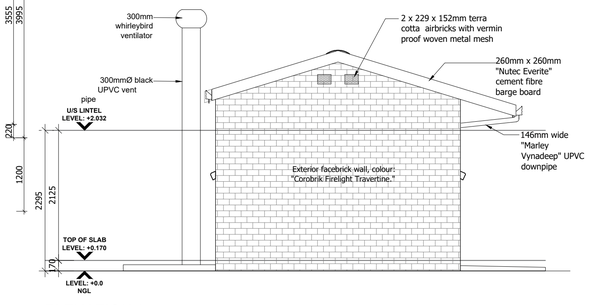
PLAN
scale 1:50



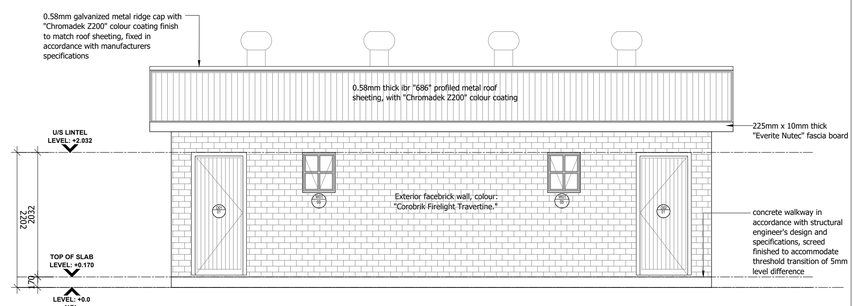
ELEVATION 1
scale 1:50



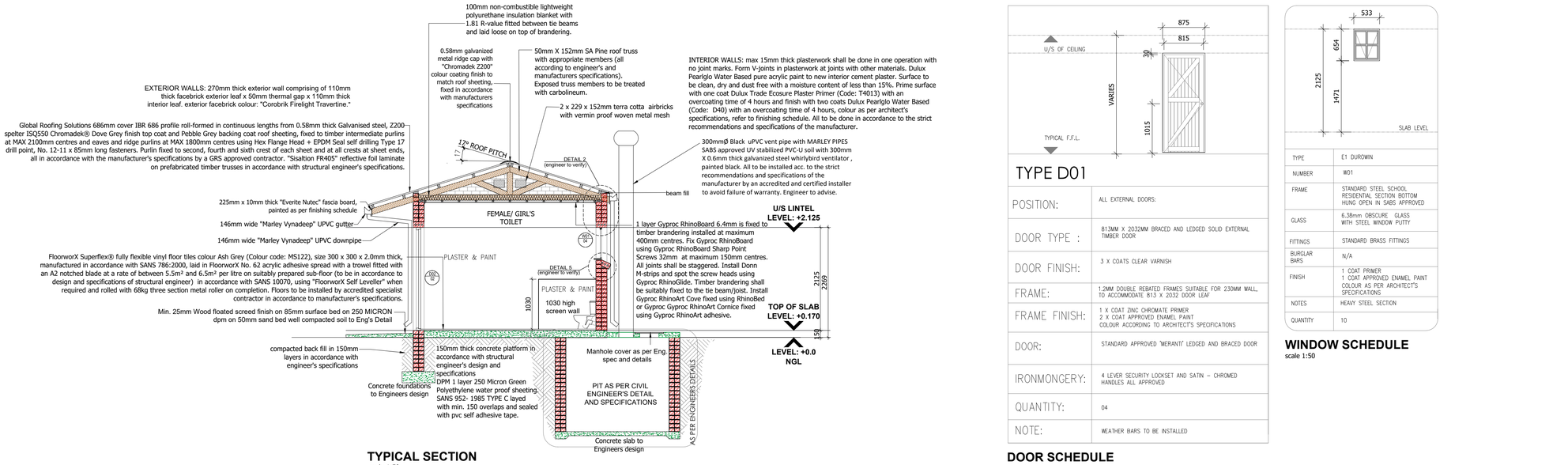
ELEVATION 2
scale 1:50



ELEVATION 3
scale 1:50



ELEVATION 4
scale 1:50



TYPICAL SECTION
scale 1:50

TYPE D01

POSITION:	ALL EXTERNAL DOORS:
DOOR TYPE :	813MM X 2032MM BRACED AND LEDGED SOLID EXTERNAL TIMBER DOOR
DOOR FINISH:	3 X COATS CLEAR VARNISH
FRAME:	1.2MM DOUBLE REBATED FRAMES SUITABLE FOR 230MM WALL, TO ACCOMMODATE 813 X 2032 DOOR LEAF
FRAME FINISH:	1 X COAT ZINC CHROMATE PRIMER 2 X COAT APPROVED ENAMEL PAINT COLOUR ACCORDING TO ARCHITECT'S SPECIFICATIONS
DOOR:	STANDARD APPROVED 'MERANTI' LEDGED AND BRACED DOOR
IRONMONGERY:	4 LEVER SECURITY LOCKSET AND SATIN – CHROMED HANDLES ALL APPROVED
QUANTITY:	04
NOTE:	WEATHER BARS TO BE INSTALLED

DOOR SCHEDULE
scale 1:50

TYPE	E1 DUROWIN
NUMBER	W01
FRAME	STANDARD STEEL SCHOOL RESIDENTIAL SECTION BOTTOM HUNG OPEN IN SABS APPROVED
GLASS	6.38mm OBSCURE GLASS WITH STEEL WINDOW PUTTY
FITTINGS	STANDARD BRASS FITTINGS
BURGLAR BARS	N/A
FINISH	1 COAT PRIMER 1 COAT APPROVED ENAMEL PAINT COLOUR AS PER ARCHITECT'S SPECIFICATIONS
NOTES	HEAVY STEEL SECTION
QUANTITY	10

WINDOW SCHEDULE
scale 1:50

REV.	DATE	REVISION	DRAWN	DESIGN	CHECK	APPROVED

APPROVED BY PROFESSIONAL ARCHITECT:

DATE

GENERAL NOTES:

All work is to be carried in accordance with SANS 10400 and other relevant SABS standards.

The contractor shall in all aspects of the works comply with the provisions of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) as well as the Construction Regulations, 2014, as promulgated by the Department of Labour.

All contractors shall ensure that, before any work is put in hand, they comply with all the necessary Acts of Parliament of the Republic of South Africa. This drawing is not to be scaled. Figured dimensions to be used. All dimensions are in millimetres unless otherwise stated.
All levels and dimensions to be checked on-site by the contractor before work is carried out and any discrepancies to be reported to the Architect.
This drawing must be read in conjunction with all the relevant drawings, schedules and specifications from the Architect and all other consultants related to this project.

A. General notes :
All levels indicated are referenced to the assembly datum

1. All structural, electrical, civil and landscaping queries are to be referenced to the relevant consultants drawings, specifications and details.
2. All plumbing queries are to be referred to the relevant specialist consultant drawings, specifications & details.
3. All concrete columns and structure to structural engineers details & specifications.
4. All specifications with regard to fire regulations, to be referred to consultants details and specifications.
5. Any discrepancy in the drawings, dimensions & specifications to be brought to the attention of the consultant and the architect prior to any work being put in hand.
6. Dimensions - only figured dimensions to be followed, no scaling of drawings will be permitted.

Blockwork walls

1. In cavity walls build full height 200mm. Wide blockwork piers at maximum 1200mm. Centres.
2. In cavities exceeding 115mm, allow for 15mm. Joint between diaphragm pier and adjoining face.
3. Ties to be supplied to diaphragm piers, as per structural engineers specifications.
4. Provide movement joints where indicated on drawings marked up by site engineer.
5. All blockwork built butting up to concrete columns to be fixed to face of column with stainless "hoop iron" straps to structural engineer's details.
6. Supply stainless steel wall ties in all cavity walls to structural engineers specification.
7. All external walls to be supplied with dpm to internal skin, plus 50mm. Insulation in cavity.

CONSULTANTS

REFERENCE DRAWINGS

IMPLEMENTED BY

STAGE	PERSON	SIGNATURE	DATE
DESIGNED			
DRAWN			
CHECKED			
APPROVED			

SHEET SIZE: **A1**
SCALE: **As shown**
STATUS LEGEND:
I = INFORMATION
T =TENDER
C =CONSTRUCTION
AR= AS BUILT

CLIENT

PROJECT

DRAWIN

EWIS NUMBER	DISCIPLINE	DRAWING NUMBER	STATUS	REVISION

This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose.
We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

NOTE: TENDERER TO SIGN EACH PAGE AND RETURN WITH BID/TENDER INCLUDING THE DESIGN MANUAL COMPLYING WITH T2.2W

GENERAL SPECIFICATION

INDEX

		Page no.
1.	**GENERAL**	2
2.	**CLASSROOMS, OFFICE AND STORE**	3
2.1	PHYSICAL REQUIREMENTS	3
2.2	FOUNDATIONS	3
2.3	FLOOR CONSTRUCTION	4
2.4	EXTERNAL AND INTERNAL WALLING	6
2.5	ROOF CONSTRUCTION AND COVERING	8
2.6	CEILINGS	10
2.7	FLOOR COVERING	10
2.8	PLASTERING	10
2.9	ELECTRICAL INSTALLATION	10
2.10	GLAZING	14
2.11	PAINTING	15
2.12	SUNDRIES	15
2.13	EXTERNAL WORKS	16
2.14	FENCING	17

1. GENERAL

1.1 All materials, workmanship, etc are to be of the highest quality and must comply with the relevant SANS specification (SABS 0400 – 1990, SA Standard Code of Practice for the application of National Building Regulations) etc and the Specification of Materials and Methods used (PW371), which is obtainable from the Department of Public Works, and shall be read in conjunction with the Bills of Quantities and shall be referred to for the full descriptions of work to be done and materials to be used.

1.2 The structure must comply with all municipal, and fire regulations, etc and it is the responsibility of the contractor to comply with these regulations.

1.3 The contractor must submit with his tender a certified copy of CSIR Agrement Certificate No. 89/191 and all other SANS approval tests.

1.4 On completion of the project, the contractor must issue to the employer the following certificates:

1.4.1 Certificate from a Registered relevant Engineer as to the suitability of design as per item 2.2, 2.3 and 2.4.

1.4.2 Certificate from a Registered Electrical Engineer as to the suitability of the electrical design and compliance with all regulations and workmanship.

1.4.3 All certificates required to be issued by the local Municipalities.

1.4.4 The contractor must supply certificates for the treatment of all timber against termites and dry rot.

1.4.5 Roof truss certificate - see 2.5

1.5 The Contractor must be registered with the CIDB, proof of registration must be submitted with the tender documents.

1.6 The Contractor must be registered with the CIPRO, proof of registration must be submitted with the tender documents.

1.7 The Contractor must submit a valid original Tax Clearance certificate.

The contractor must include for all items that may be required to ensure a functional building to comply with the building regulations

2. CLASSROOMS, OFFICE AND STORE

2.1 PHYSICAL REQUIREMENTS

2.1.1 Classrooms shall be a minimum of 60m² in size and the length to breadth ratio must be able to fit a total of 20 school desks (1000x450mm), 1 teachers desk, 1 cupboard, with adequate space for chairs and circulation. The floor to ceiling height shall not be less than 2.70 m above finished floor level. A covered verandah 1,5 m wide must be constructed for the entire length to the entrance side of the building.

2.1.2 Office and Store shall have a combined minimum area of 30m². A wall with a semi-solid door should divide the rooms. The floor to ceiling height shall not be less than 2.70 m above finished floor level. A covered verandah 1,5 m wide must be constructed for the entire length to the entrance side of the building.

2.2 FOUNDATIONS

No soil tests are available. The contractor to undertaken their own soil testing to determine the size and type of foundations required. All foundations must be designed by a Registered Engineer, who must issue an approval certificate at completion. Two foundation construction methods are recommended, a) Strip footings and b) Raft foundations. The contractor to supply foundations details with his tender.

All surfaces under buildings to be treated with termite proofing. The contractor to supply a certificate from registered applicators.

2.2.1 STRIP FOOTINGS

2.2.1.1 The minimum size of strip footing assumed to be 700 x 250mm. The depth of excavation from formation level is 750mm, if due to soil conditions the depth is increased or decreased; the cost to the contractor will be adjusted based on the schedule of rates.

2.2.1.2 All concrete in footings to have minimum 28 day strength of 20MPa and the contractor must supply test cube results to comply for every 24m^3 of concrete cast. The first set of cubes to be tested at 7 days with the minimum required 7 day test strength of 13 MPa and if the tests comply with these specifications then the remaining cubes to be tested at 28 days for a minimum 28 day strength of 20MPa.

2.2.1.3 All foundation brickwork to be 220mm wall of well burnt bricks, with a minimum strength of 14MPa. Foundation walls to project a minimum of 300mm above the finished platform level or natural ground level. Brick force to be supplied in every course and shall be galvanised welded fabric

formed of two hard drawn wire of diameter not less than 2.8mm and not more than 3.55mm held apart by cross wires at 300mm centres.

2.2.1.4 The exposed plinth to be constructed with hard burnt face bricks, quality of a FBS brick, of an approved colour and a minimum strength of 14 MPa.

2.2.1.5 The damp proof course to be 375 micron embossed waterproof sheeting.

2.2.1.6 All backfilling of trenches to be of suitable granular materials in maximum 150mm thick layers and compacted to 95% mod AASHTO.

2.2.2 RAFT FOUNDATIONS

2.2.2.1 The foundation to be constructed according to the Engineer's specification and Design.

2.2.2.2 The Design to comply fully with the National Building Regulations, SABS 0161, the Joint Structural Division (SAICE/IStructE)'s Code of Practice, and the NHBRC's Home Building Manual.

2.2.2.3 All concrete to be a minimum of 25MPa and the design of the Raft Foundation to cater for the required differential heave as determined by the Soils Investigation.

2.2.2.4 The contractor to provide details of a raft foundation designed for a differential heave of 15mm. The details provided must include beam sizes, beam spacing, floor slab thickness and reinforcing. The cost of any deviation from this due to an increased or decreased differential heave will be adjusted based on the schedule of rates.

2.3 **FLOOR CONSTRUCTION**

Two types of floor construction must be considered. Concrete floors for buildings with an accepted life period of more than 24 months, and a temporary, movable floor construction for a building that should be moved within 24 months of construction. There must be a step of a minimum height of 170mm between the Finished Floor Level or Walkway level and the level of the Platform.

2.3.1 CONCRETE FLOORS

2.3.1.1 The platform under the slab is to be compacted to a minimum of 95% mod AASHTO density.

2.3.1.2 An approved fill should be used under the slab, (selected from the excavated material on site or imported material) and to be deposited in layers not exceeding 150mm thick, well watered and compacted to 95% mod AASHTO density.

2.3.1.3 A 50mm thick layer of clean dry sand filling selected and supplied by the manufacturer/contractor, watered and consolidated to be laid under the floor.

2.3.1.4 The concrete to be a minimum of 20MPa but greater if needed to comply with the manufacturer/contractor's design.

2.3.1.5 The thickness of the concrete in the floor construction to be a minimum of 90mm.

2.3.1.6 Any bar or mesh reinforcement required to comply with the manufacturer/contractors design must be incorporated into the slab.

2.3.1.7 The surface to be finished in a screed not less than 30mm thick to suit the floor finish (vinyl tiles). Power floated finish will be allow, should the finished not be approved by the Principal Agent, a screed with a minimum thickness will have to be applied.

2.3.1.8 300 x 300 x 2,5mm semi-flexible reinforced vinyl floor tiles, or equal approved, laid to manufacturers specification in patterns to colour of the Project Manager.

2.3.1.9 The manufacturer/contractor to allow for any contraction and expansion joints as required.

2.3.1.10 Finish Floor Level must be a minimum of 170mm above concrete aprons/or channels.

2.3.1.11 1,5m wide Walkway surface bed to be constructed as above and finished off with a wood float finish. The surface bed to fall 35mm from the building to the edge of the walkway and a 30mm step to be provided at the threshold (ie 30mm step from the finished floor level in the classroom to the top of the finished level on the walkway).

2.3.1.12 Steps to be provided should the level of the walkway be more than 200mm above the surrounding ground level. Individual steps height should be maximum of 200mm and the width not less than 250mm.

2.3.2 <u>TEMPORY FLOOR CONSTRUCTION</u>

2.3.2.1 Temporary floors to be constructed out of 19mm thick shutter board or similarly approved material, on an engineered designed galvanized steel structure. The under side of the floorboards must be treated with two coats of carbolinium, or an equally approved product. The construction method used, must be so that the structure can be removable, erectable and transportable to an alternative site.

2.3.2.2 The temporary floors to be provided with a support structure for the galvanized steel structure. Details of the support structure to be provided.

2.3.2.3 The area under the floor structure to be closed with a durable side wall material. Vermin proof area under floor structure.

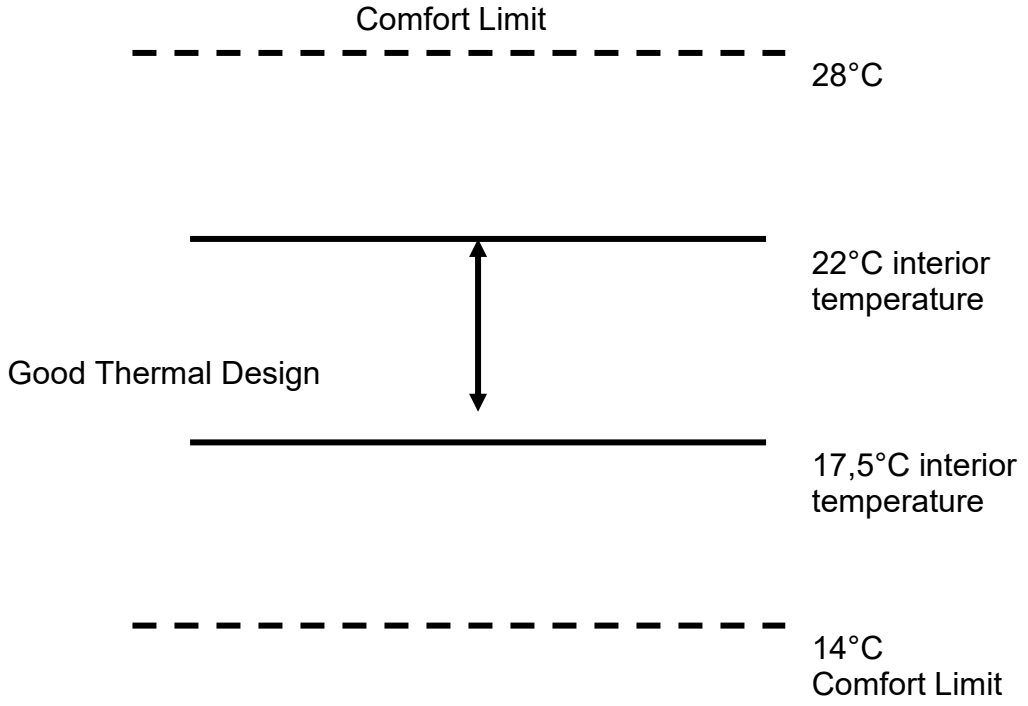
2.4 EXTERNAL AND INTERNAL WALLING

The wall construction method contemplated must allow for the dismantling, transportation and re-location on an alternative site, estimated not further than 100km. A re-location manual, detailing the dismantling and re-erection of the structure must be submitted with the tender.

2.4.1 WALLING

All external walling to comply with the thermal design as detailed below.

2.4.1.1 Interior Comfort Limit / Interior temperatures:



- C Value = effective heat storage capacity per square metre of building skin area (kJ/m²K)

  Example for 1) Durban area – Hot humid
  C value = 300

  2) Winter rainfall area region (Cape)

C value = 500

3) Highveld region (Pretoria) and inland
C value = 800

Recommendation for Eastern Cape:
Coastal C value = 400
Inland Eastern Cape C value = 600

2.4.1.2 The external walls to be cladded in a weather proof, impact resistance material, consisting of; pre-painted fibre cement sheeting (shiplap profile), or a treated timber boarding, or a pre-painted metal sheeting and or an equivalent system subject to approval by the Principal Agent in conjunction with the relevant Government Stakeholders.

2.4.1.3 The external walling to contain suitable vapour barriers between the floor and the walling. At the wall plate level, the wall should be properly sealed. The anchoring system specified to secure the wall panels into position must be of a non corrosive material.

2.4.1.4 All internal walls to have a smooth finish, and be constructed out of a weatherproof durable impact resistant material. (Gypsum boarding is not an acceptable material)

2.4.1.5 The construction method used, must allow for the structure to be relocated at any given time.

2.4.2 <u>External Doors</u>

All external doors to be 44mm x 813 x 2032mm meranti framed ledged and braced doors formed of 44 x 220mm top and bottom rail, 22 x 100mm bracing rail and stiles, 22 x 69mm tongued grooved and V jointed one side boarding, twice countersink screwed at intersection with internal panels rebated and filled with 6mm Sapele veneered plywood or similar approved door.

All joints between rails and stiles to be of mortise and tenon construction.

All doors fitted with an approved durable door handle and a 3 level-lockset, three brass butt hinges, and rubber doorstop fixed to floor/weather bar.

2.4.3 Windows

Window areas are to comply with NBR requirements. Where steel windows are used, members must be constructed out of FX7 sections and be hot dipped galvanised. Other window types will be considered for approval. Tenderres to ensure that different metals are isolated with a neoprene strip.

It is recommended that three 889w x 854h mm (on the walkway side) and four 889w x 1248h mm (on the opposite side) are used per classroom, two 889 x 1248h mm for the Office and two 889w x 854h mm for the Store. It is further advised that an outwards opening pivot type window be used on the walkway side of the classrooms and offices. This is to ensure that no opening sections

open onto the walkway at a head height level.

All windows to be fully burglar proofed with an approved burglar bar system.

2.4.4 Dado Rail

All internal walls to have a dado rail of a minimum dimension of 19 x 100mm, fitted ± 900mm above floor level (height to be adjusted to the chair height for primary or secondary schools). Dado rail to be manufactured from hardwood or an approved durable impact resistant material, twice angle rounded and finished with and acceptable finish. Dado rail to be secured to the walls with minimal holes into the wall surface.

2.5 ROOF CONSTRUCTION AND COVERING

Two types of roof constructions will be required; a) Conventional roof structures and b) Roof structures for areas with a high snow fall and hurricane winds.

2.5.1 TYPE A - CONVENTIONAL ROOF CONSTRUCTION

2.5.1.1 The construction of the roof can be conventional prefabricated timber trusses with bracings (to SABS 0163-1980), or a steel construction (to SABS 0162-1984). The design and erection to be approved by a Registered Engineer and a certificate of compliance issued on completion.

2.5.1.2 The roof pitches to be not less than 15° and the Live and Wind Loads to be in accordance with SABS0160-1989.

2.5.1.3 The roof covering must consists of 0.58mm Nominal thickness corrugated iron roofing sheets with silicone polyester top finish or colomet equal, colour "Approved by DRPW" to one side and standard grey backing coat to other side, etc., with 275g/m2 galvanising to both sides with one and a half corrugation side lap including fixing to timber purlins at approximately 1,000mm centres including all screws, bolts, washers, etc, strictly in

accordance with manufacturer's specification. If the contractor wishes to use an alternative, he must supply the information with his tender for consideration

2.5.1.4 All capping, eaves closure, barge boarding etc to be included and comply with the specifications.

2.5.1.5 All roofs to have a 600mm eaves overhang, and 300mm verge overhang.

2.5.1.6 15 x 225 Fibre cement or other similar approved fascias to be fitted, painted to paint manufactures specifications. (See also notes to tenders)

2.5.1.7 The roofs to be fitted with 125 x 150 x 125mm x 0.80mm thick pre-painted sheet iron or other similar approved gutter with 75mm wide laps fixed to falls to fascia with brackets not exceeding 1000mm centres, including all ends, outlets, etc.

2.5.1.8 Pre-painted rainwater downpipe must be provided. Number off downpipes to be calculated in accordance with the rainfall average of the area, not exceeding 15m in length.

2.5.1.9 All roofs to have 38 x 228mm gangboarding along entire length of building if an attic is created.

2.5.2 <u>TYPE B - ROOF IN AREAS WITH A HIGH SNOW FALL AND HURRICANE WINDS</u>

2.5.2.1 Roofs to be constructed as described in 2.5.1, with the following changes.

2.5.2.2 The roof pitches to be not less than 35°.

2.5.2.3 In areas with a high snowfall, a 450mm wide 0.8mm thick pre-painted flat sheet, colour to match the roof sheets, to be securely fixed into position above the corrugations, to the bottom end purlin, over the gutter. This will ensure that the snow falls over the gutter and does not rest on the gutter.

2.5.2.4 The Registered Engineer must be informed that the area of the school is exposed to snowfalls and or hurricane winds. The design and erection of the roof structure must be amended accordingly by the Registered Engineer and a certificate of compliance issued on completion.

2.5.2.5 The roofs ties to be provided in order to ensure that the roof structure is correctly tied to the supports or alternatively to the slab as per the requirements to the Engineer.

2.6 CEILINGS

All classrooms, offices and stores to be fitted with ceilings. Ceilings could be an integrated system with the roof sheeting or a conventional ceiling construction.

2.6.1 6,4mm Gypsum board sheets with hardwood cover strips, continuous in one direction and cut in between in the other direction, between sheets and fixed to 38 x 50mm brandering at 400mm centres including additional brandering at outer edge of rooms and along joints of ceiling plates.

If the contractor wishes to use alternative, e.g. suspended ceilings, he must supply the information with his tender for consideration.

2.6.2 An approved painted cornice at junction of wall and ceilings must be provided.

2.6.3 All ceilings to be insulated with 50mm glass fibre blanket or similar approved.

2.6.4 Provide one trap door in conventional ceilings per block.

2.7 FLOOR COVERING

2.7.1 All floors to be finished with semi flexible vinyl floor tiles size 300 x 300 x 2.5mm thick (colour samples submitted to principal agent for approval) laid with an adhesive to pattern and two coats approved sealer to be applied prior to handover.

2.7.2 Skirting to be 19 x 69mm hardwood screwed to framework and finished with three coats polyurethane suede varnish all-round. If the contractor wishes to use an alternative, he must supply the information with his tender for consideration.

2.8 PLASTERING

2.8.1 All thresholds to be grano with reedings.

2.9 ELECTRICAL INSTALLATION

2.9.1.1 All fittings and accessories must be presented to and approved by the Departmental Representative or the Consulting Engineer prior to installation.

2.9.1.2 Fluorescent fittings are to be twin-tube, or as specified elsewhere, open-channel, fitted with electronic ballasts (Professional). The fittings are to be adequately secured with wood screws, screwed into timber. "Butterfly" screws will not be accepted. Timber supports to be provided between the

steel beams, the fittings are not to be screwed to the suspended ceiling frame-work. The contractor must allow for a typical classroom (6,9M x 7,4M) 6No. Luminaries mounted at ceiling height. For Offices, 2No. Luminaries mounted at ceiling height. For Store Areas, 1No. Luminaries mounted at ceiling height.

Approved 2 x 58watt open channel fluorescent fitting; ILM lighting – ILM/ATL/FMII/258 **OR ANY EQUAL OR OTHER APPROVED FITTING**

2.9.1.3 For the external lighting to the classrooms, 2 x PL9 fittings must be round, aluminium, deep base, with polycarbonate lens fitted with 3 screws. The lens must not discolour. The fitting must be fitted with 2 ballasts and be fitted complete with lamps. The contractor must allow for 1No. Luminaire

fitted externally adjacent to the classroom door. Where Classrooms are constructed in clusters, allowance must be made for 1No. Luminaire to be fitted to the gable ends of the blocks of classrooms and 1No. Luminaire fitted per pair of classrooms on the rear elevation. All external lighting is to be operated by a daylight photocell. The contractor must allow for 1 x photocell and 1 x contactor per 10 external light fittings. The Contractor is to ensure that all external fittings are adequately sealed to prevent ingress of insects and moisture. A minimum IP rating of IP65 required.

Approved 2 x PL9 fitting; Beacon Lighting - BL/RD -NB 2 X PL9W, **OR ANY EQUAL OR OTHER APPROVED FITTING**

2.9.1.4 Fluorescent tubes and lamps are to be of the highest quality. No inferior or "no-name" brands will be accepted. All fitting/s requested must be provided complete with tubes. Contractor must allow for Phillips or Osram lamps color White

2.9.1.5 Timber must be provided to secure fittings where necessary. Fittings must be mounted flush with the ceiling and cover-strips must be neatly cut to accommodate the fittings.

2.9.1.6 The single-lever light switches are to be **equal or other approved** to Crabtree type 2471, complete with steel cover-plates and steel screws. The contractor must allow for 1 x single lever switch complete with 50mm x 100mm box and white faceplate per classroom, Office and Store. The light switch is to be mounted next to the door and at 1400mm above floor level to the centre of the switch.

2.9.1.7 Socket outlets are to be **equal or other approved** to Crabtree type 6861 complete with steel cover-plates and steel screws. The contractor must allow for 1 x duo 16A socket outlet complete with 100mm x 100mm box and white faceplate per classroom. The socket outlet is to be mounted adjacent to the classroom blackboard and at 1200mm to the centre of the outlet box. In the office areas, 2No. Socket outlets must be allowed for

mounted adjacent to the desk position. The Store Areras will also require 1No. socket outlet mounted adjacent to the door.

2.9.1.8 All socket outlets, switches etc are to be fitted with steel cover plates and steel screws.

2.9.1.9 The new DB is to be custom-made, complete with door and "Swing-lever" door catch. Color: White. Allowance must be made for at least six (6) spare MCB spaces. The spares are to be fitted with blanks. The contractor must allow for 4 x 20mm spare conduits to be taken into the roof space. The circuit breakers are to be labeled with engraved Perspex/PVC type labels, fastened by means of screws. In addition to the numerals, labels shall be mounted under each MCB, identifying the circuits they control. A typed legend card shall be placed in the holder provided and shall indicate the type and location, e.g. No.1. ..Main, No.2.....Lights - Drawing office etc. An engraved danger sign is to be screwed to the face-plate. An engraved label is to be screwed to the outside of the door, identifying the DB as "SDB-B" etc. The Contractor must allow for one DB for each classroom blocks or where a classroom is constructed as a single unit at any particular site.

2.9.1.10 The new supply cable trench must be a minimum depth of 600mm X 300mm wide and cleared of all injurious material with a 75mm bed of sand to follow. The new cable must be installed on the sand bed. A sand backfill of at least 100mm is required above the cable. Danger tape must be laid at this level. The trench is to be properly filled and compacted with backfill free of any injurious materials. If a dedicated earth conductor is installed, the dedicated earth conductor must be secured to the cable by means of cable ties at intervals not exceeding 1m. The trench must be inspected by the Departmental Representative prior to the installation of the cable. Where the trench crosses roadways, concreted/paved areas, PVC sleeves must be installed, and the road concreted/paved areas must be 'made good' to the satisfaction of the Departmental Representative.

2.9.1.11 Cables must be drawn through 'galvanized kick-pipes' for all surface entry/exits to buildings. 'Kick-pipes' to be neatly saddled at intervals not exceeding 1m.

2.9.1.12 The installation is to be properly tested and commissioned on completion and an 'original' Certificate of Compliance issued for the installation.

2.9.1.13 All work to be strictly in accordance with SANSI 0142, Departmental Standards and Norms (General Technical Specification-Provincial Administration/Quality Specification for Electrical Installations) and Municipal by-laws. Departmental documents are available for scrutiny at the offices of Department of Public Works, Regional Office, Port Elizabeth.

2.9.1.14 The Contractor must ensure that the premises are left in a clean, neat and tidy condition on completion of the installation. All expended materials no

longer required must be removed from site unless specifically requested by the Departmental Representative not to do so.

2.9.1.15 On completion of the contract, the successful contractor shall notify the Department at least 7 days in advance before delivery will be taken.

2.9.1.16 The successful bidder shall not take any instructions from anyone other than the Departmental Representative or Consulting Engineers. No

variation/s must be entertained by the Contractor without a written Site Instruction and approved Variation Order from the Departmental Representative.

2.9.1.17 Minimum standard for all materials used must conform to S.A.N.S. standards and must bear the S.A.N.S. mark.

2.9.1.18 Expended hazardous materials e.g. Fluorescent tubes, etc must be removed from site and disposed of in the legally required manner as prescribed by the Occupational Health and Safety Act.

2.9.1.19 The use of 'twin & earth' will NOT be permitted. 'Surfix' will be permissible with the approval from the Departmental Representative or Consulting Engineer.

2.9.1.20 Wire sizes:

Lighting circuit	-1,5mm² PVC conductor + 2,5mm² earth (with l0A.MCB)
Plug circuit	- 2,5mm² PVC conductor + 2,5mm² earth (with 20A MCB)

2.9.1.21 The use of PVC flexible hose as a substitute for PVC or any other type/s of conduit will **not** be permitted. However, in situations where the use of regular conduit is either impractical/impossible, written permission **must** be obtained from the Departmental Representative/Consulting Engineer prior to the installation thereof.

2.9.1.22 Should it be necessary to utilize the contingency sum, a detailed breakdown of costs must be submitted to the Department. Written approval from the Departmental Representative must be obtained before such sum is utilized.

2.9.1.23 With all 3 phase supply installations, it is the responsibility of the Contractor to ensure that the loading is 'balanced' over the 3 phases.

2.9.1.24 Note: The structure is to be protected against lightning, a certificate of compliance for a lightning protection system must be issued upon installation of lightning protection system.

2.9.2 ELECTRICAL SUMMARY -The contractor must allow the following for each classroom:

2.9.2.1 6No. Luminaries mounted at ceiling height. Approved 2 x 58watt open channel fluorescent fitting; ILM lighting – ILM/ATL/FMII/258 **OR ANY EQUAL OR OTHER APPROVED FITTING**

1No. one way, single lever light switch located adjacent to the door.

1No. External Luminaire mounted outside the classroom door. 1No. Luminaire at each gable end. (Where classrooms are constructed more than 2, an additional light fitting per pair of classrooms is to be allowed)

Approved 2 x PL9 fitting; Beacon Lighting - BL/RD -NB 2 X PL9W, **OR ANY EQUAL OR OTHER APPROVED FITTING**

1No. 16A Duo socket outlet mounted adjacent to the blackboards

2.9.3 The contractor must allow the following for each office area:

2.9.3.1 2No. Luminaries mounted at ceiling height. Approved 2 x 58watt open channel fluorescent fitting; ILM lighting – ILM/ATL/FMII/258 **OR ANY EQUAL OR OTHER APPROVED FITTING**

2.9.3.2 1No. one way, single lever light switch located adjacent to the door.

2.9.3.3 2No. 16A Duo socket outlet mounted within the office space adjacent to the desk position.

2.9.4 The contractor must allow the following for each store area:

2.9.4.1 1No. Luminaries mounted at ceiling height. Approved 2 x 58watt open channel fluorescent fitting; ILM lighting – ILM/ATL/FMII/258 **OR ANY EQUAL OR OTHER APPROVED FITTING**

2.9.4.2 1No. one way, single lever light switch located adjacent to the door.

2.9.4.3 1No. 16A Duo socket outlet mounted within the store area adjacent to the door.

2.10 GLAZING

All glazing to be in accordance with, SANS 10 400 Part N, as affective from the 1st March 2006.

2.11 PAINTING

All surfaces that require painting to be painted in accordance with the paint manufactures specifications.

2.12 SUNDRIES

2.12.1 Writing Boards

Supply a set of two standard Vitreous enamel magnetic chalkboards with aluminium chalkrail including setting up and fixing to walls complete and securing bottom of each board with two fixing brackets in accordance with the manufacturer's instructions, size 4,800 x 1,140 mm high overall. Writing boards to be secured to the walls with minimal holes into the wall surface, chalk rail to be not more than 900mm above FFL.

2.12.2 Pinning boards

Supply and fit 12mm thick x 1,2m high softboard, or similarly approved pinning board across the full width of the rear of each classroom. Pinning boards to have a 44 x 22mm rebated hardwood surround, finished with three coats polyurethane suede varnish. Pinning boards to be secured to the walls with minimal holes into the wall surface.

2.12.3 Fire extinguisher

Supply and fit one 4,5kg CO^2 fire extinguisher per room, fixed to a hardwood backing-board, 1 200mm above FFL, securely fixed to the wall.

2.12.4 Long-arms

Should windows be of pivot type, supply and fit one 600mm long-arm per classroom. Fitted behind the door with two brackets.

2.12.5 Cupboards

Supply and fit one pre-painted steel stationary cabinet size 900 x 450 x 1,800mm, painted in a light approved paint colour, to each classroom and office. Screw cupboard to the wall.

2.12.6 Shelving

SA Pine slated or pre-painted steel shelving, with minimum dimensions of 2,000mm high x 450mm wide, with 5 rows of shelves, support structure spacing not to exceed 750mm, to be fitted all-round in the Storeroom. Shelves must be design to carry a full load of books. Shelves to be secured to the floor and stabilized to the walls, with minimal holes into the wall surface.

2.12.7 Internal Doors

Approved semi-solid flush doors, with Commercial veneer both sides and with hardwood edge strips, tongued and grooved on to edges 44mm Thick, single flush door, size 813 x 2,032mm high. Including a three lever approved mortice lock (Union 2277-78) complete with approved chromium plated handles and 100 x 75mm Double washered solid brass butt hinges. The keys should be tagged separately by a plastic key tag. The door to be painted with three coats polyurethane matt varnish.

2.12.8 Carpets

Heavy commercial (SABS use class U5), PFX Stain Shield staple fibre®, 7mm thick needlepunch 3,66m wide broadloom carpet, with SABS Class 2 fire rating, fibre weight 980g/m² and total weight 1285g/m² with a 10 Year limited warranty maintenance linked. Manufactured in accordance with SANS 1415:2005, all installed by approved installer in accordance with SANS 10186:2000, the code of practice for textile floor coverings.

2.12.9 Partitioning Wall

2.12.9.1 Partitioning wall of the approved prefabricated material as per manufacturer's specification at 1.8mhigh to be used to configure office accommodation.

2.12.9.2 Partitioning wall of the approved prefabricated material as per manufacturer's specification at ceiling height

2.13 **EXTERNAL WORKS**

2.13.1 Platform

A platform to be constructed with dimensions a minimum of 1.5 metres greater than the dimensions of the buildings. The specification for the material to be used for the construction of the platform to be as follows:

2.13.1.1 Contain no organic material or stones of dimension greater than 50mm.

2.13.1.2 A PI not exceeding 10 and a CBR of at least 15 at 98% MOD A.A.S.H.T.O.

2.13.1.3 Be capable of being compacted to 95% MOD A.A.S.H.T.O.

2.13.1.4 The fall across the width of the building is approximately 1 in 40 metres.

2.13.1.5 The platform to be constructed with a minimum of 300mm hardcore filling, compacted in two layers of 150mm each to a minimum of 95% MOD A.A.S.H.T.O.

2.13.2 Stormwater Channels

Provide 900 x 150mm 20Mpa open concrete stormwater channel with 860 x 50mm deep 'V' channel, on suitable 150mm subbase material compacted to 93% Mod A.A.S.H.T.O. density, including all necessary excavations, formwork, compaction, grading, carting away, etc. The channels to have a minimum fall of 1:100, and discharge, at the lowest point, by daylighting to natural ground level.

2.13.3 Rain Watertank & Stand

Provide one 4500l polyethylene rotomoulded rainwater tank on an approved brick work or concrete plinth with a minimum height 250mm above aprons. Tank to be sealed and a removable lid to be provided. Downpipes to be extended into the tanks inlet provided by manufactures extensions to be securely fixed to the structure with approved brackets. Garden bibtap to be fitted with removable handle or lockable cover.

2.14 FENCING

2.14.1 Security Fencing

Allow for clearing site for the width of 1,000 mm where fencing runs are to be erected including removing trees, shrubs etc. not exceeding 200mm girth, grubbing up roots and roughly leveling.

Plant 60mm diameter galvanized steel intermediate fencing post, 3,000mm long fitted with a pressed steel mushroom cap, post fitted with 150 x 150 x 3mm flange plate welded to bottom and embedded in 300 x 300 x 600mm mass concrete (15 MPa) base.

100mm Ditto as end post, fitted with one 60mm diameter galvanized steel stay set raking and with top end flattened and bolted through post, with post and stay both embedded in mass concrete (15 MPa) bases as last.

100mm Ditto as straining or corner post, but fitted with two 60mm diameter galvanized steel raking stays.

150mm Diameter ditto as gate post, but fitted with one 60mm diameter galvanized steel raking stay, with post and stay both embedded in mass concrete (15 MPa) bases as last.

Fencing formed of 100 x 50 x 2.5mm galvanized weld mesh (class A) security fence 1,800mm high with vertical wires facing outwards secured with "Howgring" clips or 1.6mm galvanized binding wire at 300mm centres to top and bottom straining wires and 700mm centres to four intermediate straining wires (straining wires elsewhere measured) including holes through posts.

Approved 500mm diameter flat wrap galvanized razor barbed tape wire fixed vertically to and including two rows of double stranded barb wire to top of security fence and secured to straining wire (elsewhere measured) with and including 2.5mm diameter galvanized binding wire at 300mm centres.

Six strands of 4mm galvanized straining wires secured to fencing posts with doubled 2mm galvanized wire inserted through hole in post and turned a minimum of four turns around straining wire and attached to straining frame at one end with not less than four turns and the other end to straining bolts (elsewhere measured).

2.14.1.1 Gates

Security fence single gate, size 1,000mm wide x 2,100mm high, formed of 50mm diameter nominal bore x 3,25mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and cross braces mullion and transome, scribed and welded into angles and at cross intersections, with two 50mm diameter nominal bore x 3,25mm wall thickness security posts each 600mm long with one end welded to top rail of gate and closure plate to other end, the gate covered with 50 x 50 x 3.15mm weld mesh with four straining wires as before described and with four 2,37mm four point core diameter single "kampeon" wires with crimped droppers to security posts as before described; including 500mm diameter flat wrap razor barbed tape wire fixed as before described, leaf fitted with three 24mm diameter x 300mm long eyebolt hinges and stops including all holes, etc., welded or bolted to adjoining galvanised gatepost with and including 500mm long approved chain spot welded to gate and union padlock No 3122.

Security fence double gate, size 6,000mm wide x 2,100mm high, in equal leaves each leaf formed of 50 mm diameter nominal bore x 3,25mm wall thickness hot dip galvanised mild steel pipe framing all round with mitred and welded angles and cross braces mullion and transome, scribed and welded into angles and at cross intersections, with four 50mm diameter nominal bore x 3,25mm wall thickness security posts each 600mm long with one end welded to top rail of gate and closure plate to other end, the gate covered with 50 x 50 x 3.15mm weld mesh with four straining wires as before described and with four 2,37mm four point core diameter single "kampeon" wires with crimped droppers to security posts as before described; including 500mm diameter flat wrap razor barbed tape wire fixed as before described one leaf with 450mm mild steel tower bolt welded to bottom corner with short length of mild steel pipe let into concrete paving as keep, with two 40 x 40 x 6mm angle rounded flange plates welded to styles of pipe framing, each plate once holed for and including 50mm; each leaf fitted with three 24mm diameter x 300mm long eyebolt hinges and stops including all holes, etc., welded or bolted to adjoining galvanised gatepost with and including 500mm long approved chain spot welded to gate and union padlock No 3122.

2.14.1.2 Fencing Sundries

12mm Diameter galvanized mild steel straining eye bolt with hook, threaded portion and two nuts and washers, including hole through post.

2.14.2 Stock Fencing

Allow for clearing site for the width of 1000mm where fencing runs are to be erected including removing trees, shrubs etc. not exceeding 200mm girth, grubbing up roots and roughly leveling.

40mm Diameter creosote treated gum pole dropper 1200mm long holed as necessary and secured to barbed wire fencing as described.

75mm Diameter creosote treated gum pole intermediate post 1800mm long holed as necessary for wire or straining eye bolts and embedded 400mm deep in ground in and including 300 x 300 x 400mm deep cement concrete (25 MPa/19 mm stone) base including all excavations in earth, backfilling and ramming etc.

Straining frame formed of two 100mm diameter vertical posts 1800mm long and one 100mm diameter horizontal brace 1200mm long, with bottom end of each post embedded in and including 450 x 450 x 600mm cement concrete (25 MPa/19mm stone) base and having top end of posts and ends of brace rebated and bolted together with 10mm diameter galvanized bolts including bracing with four strands of 4mm galvanized wire tied through holes in vertical posts and thoroughly strained to form cross bracing including all excavations in earth, backfilling and ramming.

Corner straining frame formed of three 100mm diameter vertical posts 1800mm long and two horizontal braces each 1200mm long with bottom ends of posts embedded in concrete and braced as last described including all excavations in earth, backfilling and ramming.

Fencing 1200mm high formed of nine strands of 2,37mm four point double strand barbed wire with 2 mm galvanized barbed units at maximum 150mm centres and barb length of 13mm spaced as detailed, secured to fencing posts with doubled 2mm galvanized wire inserted through hole in post and turned a minimum of four turns around barbed wire.

2.14.2.1 Gates

Pedestrian access gate formed of 40mm diameter galvanized mild steel tubular framing mitered and welded at angles and covered on outer face with five strands of barbed wire as before described properly strained and securely bound to framing with 1,8mm binding wire at 150mm centres, complete with steel spring action clip and keep bolted to gate post and hung on and including one pair of 8 mm diameter "eye" bolts fixed to gate and gate post fitted with galvanized chain welded to gate frame including Union type 3142 padlock with two keys. Size 900 x 1,500mm high.

Vehicular access gate formed of 40mm galvanized mild steel tubular framing with one vertical post welded at angles and intersections and covered on outer face with five strands of barbed wire as before described and properly strained and securely bound to framing with 1,8mm binding wire at 150mm centres and braced with four strands of 4mm wire between framing and vertical post, hung on and including one pair of 10mm "eye" bolts fixed to gate and gate post and fitted with galvanized chain welded to gate frame including Union type 3142 padlock with two keys. Size 3,550 x 1,500 mm high.

2.14.2.2 Fencing Sundries

12mm Diameter galvanized mild steel straining eye bolt with hook, threaded portion and two nuts and washers, including hole through post.