



AIRPORTS COMPANY SOUTH AFRICA

PROJECT NUMBER:

**REQUEST FOR PROPOSALS FOR THE APPOINTMENT OF THE CONSULTANT
FOR PROVISION OF WATER EXTRACTION, HARVESTING, WATER
DISTRIBUTION, TREATMENT AND STORAGE DESIGN AT CHIEF DAWID
STUURMAN INTERNATIONAL AIRPORT**

NEC 3: PROFESSIONAL SERVICES CONTRACT (PSC)
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Between AIRPORTS COMPANY SOUTH AFRICA SOC LIMITED

Applicable at: Chief Dawid Stuurman International Airport

(Registration Number: 1993/004149/30)

and

.....

(Registration Number:)

for **PROVISION OF WATER EXTRACTION, HARVESTING, WATER
DISTRIBUTION, TREATMENT AND STORAGE DESIGN AT CHIEF
DAWID STUURMAN INTERNATIONAL AIRPORT**

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Part C1: Agreements and Contract Data

C1.1: Form of Offer and Acceptance

OFFER

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract for the procurement of:

PROVISION OF WATER EXTRACTION, HARVESTING, WATER DISTRIBUTION, TREATMENT AND STORAGE DESIGN AT CHIEF DAWID STUURMAN INTERNATIONAL AIRPORT

The tenderer, identified in the Offer signature block, has examined the documents listed in the Tender Data and addenda thereto as listed in the Returnable Schedules, and by submitting this Offer has accepted the Conditions of Tender.

The tenderer, identified in the Offer signature block, has examined the contract as listed in the Acceptance section and agreed to provide this Offer.

By the representative of the tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance the tenderer offers to perform all of the obligations and liabilities of the **Consultant** 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 VAT IS:

(in words) **Rands;**

R **including VAT** (in figures)

THE OFFERED PRICES ARE AS STATED IN THE PRICING SCHEDULE

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 including the Schedule of Deviations (if any) to the tenderer before the end of the period of validity stated in the Tender Data, or other period as agreed, whereupon the tenderer becomes the party named as the **Consultant** in the *conditions of contract* identified in the Contract Data.

Signature(s)

Name(s)

Capacity

**For the
tenderer:**

DATE:

(Insert name and address of organisation)

Name &
signature of
witness

Date

ACCEPTANCE

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the tenderer's Offer. In consideration thereof, the Employer shall pay the **Consultants** the amount due in accordance with the *conditions of contract* identified in the Contract Data. Acceptance of the tenderer's Offer shall form an agreement between the Employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

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The terms of the contract, are contained in:

Part C1	Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
Part C2	Pricing Data
Part C3	Scope of Work: Works 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 Tender Data and any addenda thereto listed in the Returnable Schedules as well as any changes to the terms of the Offer agreed by the tenderer 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 tenderer shall within two weeks of 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 tenderer receives a copy of this document which contains the Employer's signature, including the Schedule of Deviations (if any). Unless the tenderer (now **Consultant**) within 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

Airports Company South Africa
Chief Dawid Stuurman International Airport
 Allister Miller Drive
 Walmer
 Private Bag X109
 Gqebera
 6001

DATE:

Name &
signature of
witness

Date

Schedule of Deviations

1. Subject
Details
.....
.....
.....
2. Subject
Details
.....
.....
.....
3. Subject
Details
.....
.....
.....

By the duly authorised representatives signing this agreement, the Employer and the Tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the returnable schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

	<u>For the Employer</u>	<u>For the Bidder</u>
Signature (s)		
Name (s)		
Capacity		
Name and Address	Airports Company South Africa Chief Dawid Stuurman International Airport Allister Miller Drive Walmer Private Bag X109 Gqebera 6001	
Name & Signature of witness	 <i>(Insert name and address of organisation)</i>	 <i>(Insert name and address of organisation)</i>
Date		

Part C1.2a Contract Data

Part one – Data provided by the *Employer*

The Conditions of contract are selected from the NEC3 Professional Services Contract, April 2013.

Each item of data given below is cross-referenced to the clause in the NEC3 Professional Services Contract which requires it.

Part One - Data provided by the *Employer*

1 General

The *conditions of contract* are the core clauses and the clauses for Main Option:

P: Percentage Based Contract based on cost of works according to the relevant Government Gazette Guidelines and Processes for Estimating Fees for Professionally Registered persons according to the built environment councils, in Terms of the Board Notice 138 of **2015** of ECSA (Guideline for Services and Processes for Estimating Fees for Persons in Terms of the Engineering Profession Act” relevant act.

Dispute resolution Option clause: W1

Secondary Options (incorporating amendments)

X2 Changes in the law

X7 Delay damages

X9 Transfer of rights

X10 Employer’s Agent

X11 Termination by the Employer

X18: Limitation of liability

Z: *Additional conditions of contract*

of the NEC3 Professional Services Contract, April 2013.

Documents produced shall align with the 9 Gates of the FIPDM. The project shall follow the ECSA 6 project stages indicated below:

Project stage		Key deliverable at end of each stage as described in the Scope and accepted by the <i>Employer</i>
No	Description	
1	Inception	Review the proposed construction locations to develop alternative designs and associated costs for the client to evaluate and decide on the preferred alternative.
2	Preliminary Design	Preliminary Design, first draft of drawings and Concept Report – for comment and approval.
3	Detailed Design	Design Development Report, ACSA Stage 3 Report – for approval
4	Documentation and Procurement	Completed Documentation and Procurement Bill of Quantities, Scope of Work, Activity Schedule for Construction Works, Quality of Work management system, Tender Scorecard Matrix (to use during evaluation), Financial forecast, Project Program, etc.
5	Contract Administration and Inspection	Construction works capable of being used by the <i>Employer</i> as intended. Project Site Monitoring - Constant review of work procedures and materials for compliance to plans,
6	Close-out	As Built and operations and maintenance manuals. Final approval Certificates signed by all parties and project documentation submitted into the <i>Employer</i>

10.1 The *Employer* is: Airports Company South Africa SOC, Chief Dawid Stuurman International Airport

Address:

Airports Company South Africa
Chief Dawid Stuurman International Airport
 Allister Miller Drive
 Walmer
 Private Bag X109
 Gqebera
 6001

Tel No: 041 507 7230

11.2(9) The *services* are: **PROVISION OF WATER EXTRACTION, HARVESTING, WATER DISTRIBUTION, TREATMENT AND STORAGE DESIGN AT CHIEF DAWID STUURMAN INTERNATIONAL AIRPORT.**

11.2(10) The following matters will be included in the Risk Register

- Environmental Safety Risks at the construction works.
- Construction Safety Issues on the Airside.
- Access to Site, Permit to Work, Occupational Health and Safety
- Statutory approvals and ACSA approvals
- Site Constraints and Constructability
- Impact on Operations and Stakeholder Management

11.2(11) The Scope is in the document called Part C3: Scope of Work

12.2 The *law of the contract* is the law of the Republic of South Africa

13.1 The *language of this contract* is English

13.3 The *period for reply* is 7 calendar days

13.6 The *period for retention* is 0 months following Completion or earlier termination

2 The Parties main responsibilities

25.2 The *Employer* provides access to the following persons, places and things

access to

access date

1	Relevant Engineering, Operational and Maintenance Personnel of ACSA	Upon award of the project(s)
3	Time	
31.2	The <i>starting date</i> is upon signing of the contract by ACSA	
11.2(3)	The <i>completion date</i> for the whole professional <i>services</i> is 24 months from contract start date.	
11.2(6)	The <i>key dates</i> and the <i>conditions</i> to be met are:	
	Condition to be met	key date (estimated duration)
1	Inception Stage	Allow 1 month
2	Preliminary design stage (including investigations)	Allow 1 month
3	Detailed design stage	Allow 2 months
4	Documentation and Procurement	Allow 2 months
5	Contract Administration and Inspection	Allow 6 months
6	Project Close-out	Allow 12 months
31.1	The <i>Consultant</i> is to submit a first programme for acceptance within 2 weeks of the Contract start Date.	
32.2	The <i>Consultant</i> submits revised programmes at intervals of 4 weeks.	
4	Quality	
40.2	The quality policy statement and quality plan are provided within 2 weeks of the Contract start Date.	
41.1	The <i>defects date</i> is 52 weeks after Practical Completion of the whole of the <i>services</i> .	
5	Payment	
50.1	The <i>assessment interval</i> ends and starts at 12h00 on the 25 th day of each successive month.	
51.1	The period within which payments are made is 4 weeks, after the receipt of the tax invoice.	
51.2	The <i>currency of this contract</i> is the South African Rand (ZAR).	
51.5	The <i>interest rate</i> is the prime lending rate of Standard Bank at any given time	
6	Compensation events	
	No data required for this section of the <i>conditions of contract</i> .	
7	Rights to material	
	No data required for this section of the <i>conditions of contract</i> .	
8	Indemnity, insurance and liability	
	For additional insurance provisions - Refer to Part C1.4: ACSA Insurance Clauses for Capex Projects	
81.1	The amounts of insurance and the periods for which the <i>Consultant</i> maintains insurance are	
	Event	Cover
		Period following Completion of the whole of the services or earlier termination

failure by the <i>Consultant</i> to use the skill and care normally used by professionals providing services similar to the <i>services</i>	- Consultant to submit Insurance Certificate of Professional Indemnity Insurance Cover of R 5 Million	Minimum 4 years
death of or bodily injury to a person (not an employee of the <i>Consultant</i>) or loss of or damage to property resulting from an action or failure to take action by the <i>Consultant</i>	Consultant to submit Insurance Certificate of Insurance for Public Liability Insurance Cover for R10 Million	Minimum 4 years
death of or bodily injury to employees of the <i>Consultant</i> arising out of and in the course of their employment in connection with this contract	As prescribed by the Compensation for Occupational Injuries and Diseases Act 130 of 1993	3 years

The Employer takes out insurance in excess to the insurance cover taken by the Consultant and additional insurance cover, and the Consultant becomes liable for the deductibles in the event of an insurance claim made under the insurance of the Employer.

In the event where the Consultant defaults in its insurance obligations, the Employer may take insurance on its own and then deduct the monthly premiums from the Consultant, and the Consultant further responsible for any deductibles in the event of an insurance claim.

82	Limitation of liability
82.1	The Consultant's total direct liability to the Employer for all matters arising under or in connection with this contract, other than excluded matters, is unlimited and applies in contract, delict and otherwise to the extent allowed under the law of the contract. The excluded matters are obligations and amounts payable by the Consultant as stated in this contract for • Delay damages, • Consultant's share if Option C applies, • An infringement by the Consultant of the rights of Others, • Loss or damage to third party property, • Death of or bodily injury to a person other than an employee of the Consultant, and • Insurance obligations of the Consultant.
82.2	Subject to other provisions of this contract, the Consultant's liability to the Employer is limited to that proportion of Employer's losses for which the Consultant is responsible under this contract.
9	Termination
	No data required for this section of the terms and conditions of this contract.
10	Data for main Option clause
	Refer to Z clause 1
21.3	The <i>Consultant</i> prepares forecasts of the total of the <i>expenses</i> at intervals of no longer than 4 weeks.
11	Data for Option W1
W1.1	The <i>Adjudicator</i> is the person selected by the Parties as and when a dispute arises in terms of the relevant Z Clause, from the Panel of Adjudicators provided under the relevant Z clause
W1.2(3)	The <i>adjudicator nominating body</i> is the current Chairman of the Johannesburg Advocates' Bar Council.
W1.4(2)	The <i>tribunal</i> is Arbitration
W1.4(5)	The <i>arbitration procedure</i> is as set out in the Short the Rules for The Conduct of Arbitrations 2013 Edition, 7th Edition Rules of The Association of Arbitrators (Southern Africa). The place where arbitration is to be held is Johannesburg, South Africa. The <i>Arbitrator</i> is the person selected by the Parties as and when a dispute arises in terms of the relevant Z Clause, from the Panel of Arbitrators provided under the relevant Z clause if the <i>arbitration procedure</i> does not state who selects an arbitrator. The Arbitrator nominating body is the Chairman of the Johannesburg Bar Council.
12	Data for Secondary Option clauses
X7	Delay Damages
	Delay damages for each section of the work are Amount per day is 2%, to the maximum of 10% of the Contract value in relation to the Total of the Prices at completion date.
X10	The Employer's Agent
X10.1	The <i>Employer's Agent</i> is Name: Mr Zuzokuhle Mbanjwa

Address:

Airports Company South Africa
Chief Dawid Stuurman International Airport
 Allister Miller Drive
 Walmer
 Private Bag X109
 Gqebera
 6001

The authority of the *Employer's Agent* is Project Manager.

X11	Termination by Employer
X11.1	The Employer may terminate the Consultant's obligation to Provide the services for a reason not stated in this contract by notifying the Consultant.
X18	Limitation of liability
X18.1	The Consultant's liability to the Employer for indirect or consequential loss is Nil The Employer's liability to the Consultant for indirect or consequential loss is Nil The total Direct liability is unlimited for either party
X18.2	The <i>Consultant's</i> liability to the <i>Employer</i> for Defects that are not found until after the <i>defects date</i> are unlimited.
X18.3	The date on which the liability in question prescribes in accordance with the Prescription Act No. 68 of 1969 (as amended or in terms of any replacement legislation) for any other matter

ADDITIONAL CONDITIONS OF CONTRACT

Z1 Estimation of fees

It is specifically recorded that the fees charged by the consultant for services rendered in connection with and/or under this Contract shall be in terms of: Board Notice 138 of 2015 of ECSA (Guideline for Services and Processes for Estimating Fees for Persons in Terms of the Engineering Profession Act" latest edition).

Z2 Tax invoices

The *Consultant's* invoice.

Delete the first sentence of core clause 50.2 and replace with:

Invoices submitted by the *Consultant* to the *Employer* include

- the details stated in the Scope to show how the amount due has been assessed, and
- the details required by the *Employer* for a valid tax invoice.

Delete the first sentence of core clause 51.1 and replace with:

Each payment is made by the *Employer* within four weeks of receiving the *Consultant's* invoice showing the details which this contract requires or, if a different period is stated in the Contract Data, within the period stated.

Z3 Communications and Notices

Z3.1 Add to the end of the first sentence in core Clause 13.1:

All notices, notifications, requests, demands or other communications shall be deemed to have reached the other Party –

- if delivered by hand, on the date of delivery;
- if posted by ordinary mail or registered post, on the 5th (fifth) calendar day following the date of such posting;
- if transmitted by facsimile or any other electronic medium acceptable to both Parties, on the first Business Day following the date of transmission / publication / delivery.

Z4 **Appointment of the Adjudicator**

An *Adjudicator* is appointed when a dispute arises, from the Panel of Adjudicators below. The referring party nominates an Adjudicator, which nomination is either accepted or rejected by the other party. In the instance of a rejection of the nominated Adjudicator, the referring Party refers the appointment deadlock to the Chairman of the Johannesburg Bar Council, who appoints an Adjudicator listed in the Panel of Adjudicators below.

The Parties appoint the *Adjudicator* under the NEC3 Adjudicator's Contract, April 2013

PANEL OF ADJUDICATORS		
Name	Location	Contact details (phone & e mail)
Adv. Ghandi Badela	Gauteng	+27 11 282 3700 ghandi@badela.co.za
Mr. Errol Tate Pr. Eng.	Durban	+27 11 262 4001 Errol.tate@mweb.co.za
Adv. Saleem Ebrahim	Gauteng	+27 11 535-1800 salimebrahim@mweb.co.za
Mr. Sebe Msutwana Pr. Eng.	Gauteng	+27 11 442 8555 sebe@civilprojects.co.za
Mr. Sam Amod	Gauteng	sam@samamod.com
Adv. Sias Ryneke SC	Gauteng	083 653 2281 reyneke@duma.nokwe.co.za
Mr. Emeka Ogbugo (Quantity Surveyor)	Pretoria	+27 12 349 2027 emeka@gosiame.co.za

Z5 **Appointment of the Arbitrator**

An *Arbitrator* is appointed when a dispute arises from the Panel of Arbitrators below. The referring party nominates an Arbitrator, which nomination is either rejected or accepted by the either party. In the instance of a rejection of the nominated Arbitrator, the referring party refers the Appointment deadlock to the Chairman of the Johannesburg Bar Council, who appoints an Arbitrator listed in the Panel of Arbitrators below. An appointed Arbitrator shall provide his written award no later than 30 days following the last day of closing arguments.

PANEL OF ARBITRATORS		
Name	Location	Contact details (phone & e mail)
Adv. Ghandi Badela	Gauteng	+27 11 282 3700 ghandi@badela.co.za
Mr. Errol Tate Pr. Eng.	Durban	+27 11 262 4001 Errol.tate@mweb.co.za
Adv. Saleem Ebrahim	Gauteng	+27 11 535-1800 salimebrahim@mweb.co.za
Mr. Sebe Msutwana Pr. Eng.	Gauteng	+27 11 442 8555 sebe@civilprojects.co.za
Mr. Sam Amod	Gauteng	sam@samamod.com
Adv. Sias Ryneke SC	Gauteng	083 653 2281 reyneke@duma.nokwe.co.za
Mr. Emeka Ogbugo (Quantity Surveyor)	Pretoria	+27 12 349 2027 emeka@gosiame.co.za

AMENDMENTS TO CORE CLAUSES

- Z6 Interpretation of the law**
- Add to core clause 12.3:** Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, the *Project Manager*, the *Supervisor*, or the *Adjudicator* does not constitute a waiver of rights, and does not give rise to an estoppel unless the Parties agree otherwise and confirm such agreement in writing.
- Z7 Providing the Works: Delete core clause 20.1 and replace with the following:**
- The *Consultant* will supervise the works in accordance with the Works Information and warrants that the results of the Works done in accordance with the drawings and specifications, when complete, shall be fit for their intended purpose.
- Z8 Extending the defects date: add the following as a new core clause 46:**
- Z8.1** If the *Employer* cannot use the *works* due to a Defect, which arises after Completion and before the *defects date*, the *defects date* is delayed by a period equal to that during which the *Employer*, due to a Defect, is unable to use the *works*.
- Z8.2** If part of the *works* is replaced due to a Defect arising after Completion and before the *defects date*, the *defects date* for the part of the *works* which is replaced is delayed by a period equal to that between Completion and the date by when the part has been replaced.
- Z8.3** The *Project Manager* notifies the *Consultant* of the change to a *defect date* when the delay occurs. The period between Completion and an extended *defects date* does not exceed twice the period between Completion and the *defects date* stated in the Contract Data.
- Z9 Termination**
- Z9.1** Add the following to core clause 91.1, at the second main bullet, fifth sub-bullet point, after the words “assets or”: “business rescue proceedings are initiated, or steps are taken to initiate business rescue proceedings”.

ADDITIONAL Z – CLAUSES

- Z10 Cession, delegation and assignment**
- Z10.1** The *Consultant* shall not cede, delegate or assign any of its rights or obligations to any person without the written consent of the *Employer*, which consent shall not be unreasonably withheld.
- Z10.2** The *Employer* may cede and/or delegate its rights and obligations under this contract to any person or entity and may notify the *Consultant* prior to such cession and/or delegation taking place.
- Z11 Ethics**
- Z11.1** The *Consultant* undertakes:
- not to give or cause any offer, payment, consideration, or benefit of any kind, which constitutes or could be construed as an illegal or corrupt practice, either directly or indirectly, as an inducement or reward for the award or in execution of this contract; and
- to comply with all laws, regulations or policies relating to the prevention and combating of bribery, corruption and money laundering to which it or the *Employer* is subject, including but not limited to the Prevention and Combating of Corrupt Activities Act, 12 of 2004.
- Z11.2** The *Consultant's* breach of this clause constitutes grounds for terminating the *Consultant's* obligation to Provide the Works or taking any other action as appropriate against the *Consultant* (including civil or criminal action). However, lawful inducements and rewards shall not constitute grounds for termination.
- Z11.3** If the *Consultant* is found guilty by a competent court, administrative or regulatory body of participating in illegal or corrupt practices, including but not limited to the making of offers (directly or indirectly), payments, gifts, gratuity, commission or benefits of any kind, which are in any way whatsoever in connection with the contract

with the *Employer*, the *Employer* shall be entitled to terminate the contract in accordance with the procedures stated in core clause 92.2. the amount due on termination is A1.

Z12 Confidentiality

Z12.1 All information obtained in terms of this contract or arising from the implementation of this contract shall be treated as confidential by the *Consultant* and shall not be used or divulged or published to any person not being a party to this contract, without the prior written consent of the *Project Manager* or the *Employer*, which consent shall not be unreasonably withheld.

Z12.2 If the *Consultant* is uncertain about whether any such information is confidential, it is to be regarded as such until otherwise notified by the *Project Manager*.

Z12.3 This undertaking shall not apply to –

Information disclosed to the employees of the *Consultant* for the purposes of the implementation of this agreement. The *Consultant* undertakes to procure that its employees are aware of the confidential nature of the information so disclosed and that they comply with the provisions of this clause;

Information which the *Consultant* is required by law to disclose, provided that the *Consultant* notifies the *Employer* prior to disclosure so as to enable the *Employer* to take the appropriate action to protect such information. The *Consultant* may disclose such information only to the extent required by law and shall use reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed; and

Information which at the time of disclosure or thereafter, without default on the part of the *Consultant*, enters the public domain or to information which was already in the possession of the *Consultant* at the time of disclosure (evidenced by written records in existence at that time);

Z12.4 The taking of images (whether photographs, video footage or otherwise) of the *works* or any portion thereof, in the course of Providing the Works and after Completion, requires the prior written consent of the *Project Manager*. All rights in and to all such images vests exclusively in the *Employer*.

Z12.5 The *Consultant* ensures that all his Sub-Consultants abide by the undertakings in this clause.

Z13 Employer's Step-in rights

Z13.1 If the *Consultant* defaults by failing to comply with his obligations and fails to remedy such default within 2 weeks of the notification of the default by the *Project Manager*, the *Employer*, without prejudice to his other rights, powers and remedies under the contract, may remedy the default either himself or procure a third party (including any sub-Consultant or supplier of the *Consultant*) to do so on his behalf. The reasonable costs of such remedial works shall be borne by the *Consultant*.

Z13.2 The *Consultant* co-operates with the *Employer*, facilitates and permits the use of all required information, materials and other matter (including but not limited to documents and all other drawings, CAD materials, data, software, models, plans, designs, programs, diagrams, evaluations, materials, specifications, schedules, reports, calculations, manuals or other documents or recorded information (electronic or otherwise) which have been or are at any time prepared by or on behalf of the *Consultant* under the contract or otherwise for and/or in connection with the *works*) and generally does all things required by the *Project Manager* to achieve this end.

Z14 Intellectual Property

Z14.1 Intellectual Property ("IP") rights means all rights in and to any patent, design, copyright, trademark, trade name, trade secret or other intellectual or industrial property right relating to the Works.

Z14.2 IP rights remain vested in the originator and shall not be used for any reason whatsoever other than carrying out the *works*.

Z14.3 The *Consultant* gives the *Employer* an irrevocable, transferrable, non-exclusive, royalty free licence to use and copy all IP related to the *works* for the purposes of constructing, repairing, demolishing, operating and maintaining the works.

Z14.4 The *Consultant* shall indemnify and hold the *Employer* harmless against and from any claim alleging an infringement of IP rights ("**the claim**"), which arises out of or in relation to:

Z14.4.1 the *Consultant's* design, manufacture, construction or execution of the Works;

Z14.4.2 the use of the *Consultant's* Equipment, or

- Z14.4.3** the proper use of the Works.
- Z14.5** The *Employer* shall, at the request and cost of the *Consultant*, assist in contesting the claim and the *Consultant* may (at its cost) conduct negotiations for the settlement of the claim, and any litigation or arbitration which may arise from it.
- Z14.6** The Consultant will not use in whatsoever manner any of the IP of the Employer without the prior written consent of the Employer.
- Z15** **Dispute resolution: The following amendments are made to Option W1:**
- Z15.1** Under clause W1.3, in the fourth row of the first column of the adjudication table, the following words are added after the words “any other matter”: “excluding disputes relating to termination of the contract”.
- Z15.2** **The following clauses are added at the end of clause W1.3:**
- Z15.2.1** “The Adjudicator shall decide the dispute solely on the written submissions of the parties. No oral submissions shall be heard during adjudication.”
- Z15.2.2** “Disputes relating to or arising from termination of the Contract shall not be determined by an adjudicator. Any such dispute shall be referred directly to arbitration.”
- Z16** The Consultant shall be expected to annually present a compliant BEE Certificate. Failure to do adhere to these requirements shall be considered a material breach of the conditions of this Contract, the sanction for which may be a cancellation of this Contract.

Part C1.2b Contract Data

Part two – Data provided by the *Consultant*

The conditions of contract are the NEC3 Professional Service Contract, April 2013

Each item of data given below is cross-referenced to the clause in the NEC3 Professional Service Contract to which it mainly applies.

Part two - Data provided by the *Consultant*.

Clause	Statement																																	
10.1	The <i>Consultant</i> is (Name): Address: Tel No.: Email:																																	
22.1	The <i>Consultant's</i> key persons are: <table><tr><td>1</td><td>Name:</td><td></td></tr><tr><td></td><td>Job:</td><td>Principal Civil Engineer with ECSA (Pr Eng)</td></tr><tr><td></td><td>ECSA Registration No.</td><td></td></tr><tr><td></td><td>Responsibilities:</td><td>Overall responsibility of the design and implementation of the project. Primary liaison with the Client (to be present at all Progress Meetings) Guidance of the design, Municipal submissions, Design Report Submission, Project professional Sign-off's.</td></tr><tr><td></td><td>Qualifications:</td><td>Minimum B.Eng or B.Sc in Civil Engineering, and ECSA Pr Eng</td></tr><tr><td></td><td>Experience:</td><td>Minimum three (3) years' experience in water projects.</td></tr></table> <table><tr><td>2</td><td>Name:</td><td></td></tr><tr><td></td><td>Job:</td><td>Hydrologist</td></tr><tr><td></td><td>Responsibilities:</td><td>Responsible for hydrological components of the project, Monitoring and Management and overall support to principal engineer.</td></tr><tr><td></td><td>Qualifications:</td><td>Minimum Hydrology NQF 7 Qualification.</td></tr><tr><td></td><td>Experience:</td><td>Minimum 3 years' experience post qualification in water projects</td></tr></table>	1	Name:			Job:	Principal Civil Engineer with ECSA (Pr Eng)		ECSA Registration No.			Responsibilities:	Overall responsibility of the design and implementation of the project. Primary liaison with the Client (to be present at all Progress Meetings) Guidance of the design, Municipal submissions, Design Report Submission, Project professional Sign-off's.		Qualifications:	Minimum B.Eng or B.Sc in Civil Engineering, and ECSA Pr Eng		Experience:	Minimum three (3) years' experience in water projects.	2	Name:			Job:	Hydrologist		Responsibilities:	Responsible for hydrological components of the project, Monitoring and Management and overall support to principal engineer.		Qualifications:	Minimum Hydrology NQF 7 Qualification.		Experience:	Minimum 3 years' experience post qualification in water projects
1	Name:																																	
	Job:	Principal Civil Engineer with ECSA (Pr Eng)																																
	ECSA Registration No.																																	
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	Job:	Hydrologist																																
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	Qualifications:	Minimum Hydrology NQF 7 Qualification.																																
	Experience:	Minimum 3 years' experience post qualification in water projects																																
11.2(3)	The <i>completion date</i> for the whole of the professional <i>services</i> is one year after the practical completion of Construction Works																																	
11.2(10)	The following matters (if any) will be included in the Risk Register • Availability of As-Built Information • Access to Site • Progress vs Programme • Cash Flow Management • Environmental Impact																																	

11.2(13)	The <i>staff rates</i> are as stated in the Pricing Data		
25.2	The <i>Employer</i> provides access to the following persons, places and things		
	access to		access date
	1	Relevant Engineering, Operational and Maintenance Personnel of ACSA	Upon award of the project(s)
	2	Landside access following permit and vetting procedures	Upon success completion of approval process
A	Priced contract with activity schedule		
11.2(14)	The <i>activity schedule</i> is in the Pricing Data		
11.2(18)	The tendered total of the Prices is in the Form of Offer and Acceptance		

Part C1: Agreements and Contract Data

C1.3: Occupational Health and Safety Agreement

OCCUPATIONAL HEALTH AND SAFETY MANDATORY AGREEMENT

AGREEMENT IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH & SAFETY ACT (ACT 85 OF 1993), AS AMENDED & CONSTRUCTION REGULATION 5.1(k)

OBJECTIVES

To assist Airport Company South Africa (ACSA) in order to comply with the requirements of:

1. The Occupational Health & Safety (Act 85 of 1993), as amended and its regulations and
2. The Compensation for Occupational Injuries & Diseases Act (Act 130 of 1993) also known as the (COID Act).
3. Construction Regulations 2014

To this end an Agreement must be concluded before any contractor/ subcontracted work may commence

The parties to this Agreement are:

Name of Organisation:

AIRPORTS COMPANY SOUTH AFRICA "ACSA"

Physical Address:

**Airports Company South Africa
Chief Dawid Stuurman International Airport
Allister Miller Drive
Walmer
Private Bag X109
Gqebera
6001**

Hereinafter referred to as "Client"

Name of organisation:

Physical Address

Hereinafter referred to as "the Mandatory/ Principal Contractor"

MANDATARY'S MAIN SCOPE OF WORK

PROVISION OF WATER EXTRACTION, HARVESTING, WATER DISTRIBUTION, TREATMENT AND STORAGE DESIGN AT CHIEF DAWID STUURMAN INTERNATIONAL AIRPORT

1. Definitions

- 1.1 "Mandatary" is defined as an agent, a principal contractor or a contractor for work, or service provider appointed by the Client to execute a scope of work on its behalf, but WITHOUT DEROGATING FROM HIS/HER STATUS IN HIS/HER RIGHT AS AN EMPLOYER or user of the plant.
- 1.2 "Client" refers to ACSA;
- 1.3 "Parties" means ACSA and the Contractor, and "Party" shall mean either one of them, as the context indicates;
- 1.4 "Services" means the services provided by the Contractor or Stakeholder to ACSA;
- 1.5 "Stakeholder" refers to companies conducting business at ACSA premises or within close proximity where there is an interface with ACSA operations.
- 1.6 "The OHS Act" refers to Occupational Health and Safety Act 85 of 1993, as amended;

"The COIDA Act" refers to Compensation for Occupational Injuries and Diseases Act 61 of 1997, as amended; and
- 1.7 "SHE" means Safety, Health and Environment.

GENERAL INFORMATION FORMING PART OF THIS AGREEMENT

1. The Occupational Health & Safety Act comprises of SECTION 1-50 and all unrepealed REGULATIONS promulgated in terms of the former Machinery and Occupational Safety Act No.6 of 1983 as amended as well as other REGULATIONS which may be promulgated in terms of the Act and other relevant Acts pertaining to the job in hand.
2. Section 37 of the Occupational Health & Safety Act potentially punishes Employers for unlawful acts or omissions of Mandatories where a Written Agreement between the parties has not been concluded containing arrangements and procedures to ensure compliance with the said Act BY THE MANDATORY.
3. All documents attached or refer to in the above Agreement form an integral part of the Agreement.
4. To perform in terms of this agreement Mandatories must be familiar and conversant with the relevant provisions of the Occupational Health & Safety Act 85 of 1993 (OHS Act) and applicable Regulations.
5. Mandatories who utilise the services of other contractors must conclude a similar Written Agreement with those companies.
6. Be advised that this Agreement places the onus on the Mandatory to contact the CLIENT in the event of inability to perform as per this Agreement.
7. This Agreement shall be binding for all work the Mandatory undertakes for the Client and remains in force for the duration of the contracted period as per Main Contract signed by both parties.
8. The contractor shall submit all necessary documentation as per SHE File Index to the Client seven days prior to starting with any work.

THE UNDERTAKING

The Mandatory undertakes to comply with:

2. REPORTING

The Mandatory and/or his / her designated person shall report to the Client prior to commencing any work at the airports as well as when the activities change from the original scope of work.

3. WARRANTY OF COMPLIANCE

- 3.1 In terms of this agreement the Mandatory warrants that he / she agrees to the arrangements and procedures as prescribed by the Client and as provided for in terms of Section 37(2) of the OHS Act for the purposes of compliance with the Act.
- 3.2 The Mandatory further warrants that he / she and / or his / her employees undertake to maintain such compliance with the OHS Act. Without derogating from the generality of the above, or from the provisions of the said agreement, the Mandatory shall ensure that the clauses as hereunder described are always adhered to by himself / herself and his / her employees.
- 3.3 The Mandatory hereby undertakes to ensure that the health and safety of any other person on the premises is not endangered by the conduct of his / her activities and that of his / her employees.

4. SHE Risk Management

- 4.1 The Mandatory shall ensure that a baseline risk assessment is performed by a competent person before commencement of any work in the Client's premises. A baseline risk assessment document will include identification of hazards and risk, analysis and evaluation of the risks and hazards identified, a documented plan and safe work procedures to mitigate, reduce or control the risks identified, and a monitoring and review plan of the risks and hazards.
- 4.2 The Mandatory shall review the risk registers as and when the scope of work changes and keep the latest version on the SHE File.

5. MEDICAL EMERGENCY RESPONSE

The Mandatary shall submit a detailed emergency response procedure to the Client OHS Department as part of the SHE File prior to start of work. The procedure shall stipulate how the Mandatary intends to attend to medical emergencies. In the sites where the Client has onsite clinic services, the medical staff can provide first line response and stabilise the patient however the Mandatary shall then activate its own medical response procedure and transport the patient to the medical facilities for further medical attention.

6. APPOINTMENTS AND TRAINING

- 6.1 The Mandatary shall appoint competent persons as per Section 16(2) of the OHS Act. Any such appointed person shall be trained on any occupational health and safety matter and the OHS Act provisions pertinent to the work that is to be performed under his / her responsibility. Copies of any appointments and certificates made by the Mandatary shall immediately be provided to the Client.
- 6.2 The Mandatary shall at the beginning of the project or activities where there are 5 people and more people working appoint a full-time dedicated Health and Safety resource whom will be dedicated to the project to ensure that Safety, Health and Environmental Requirements are met at all times. The allocated resource shall be based where the project is undertaken for the duration of the project or scope of work execution. The resource shall be trained and qualified on Occupational Health and Safety matters and the OHS Act provisions pertinent to the work that is to be carried out.
- 6.3 The Mandatary shall further ensure that all his / her employees are trained on the health and safety aspects relating to the work and that they understand the hazards associated with such work being carried out on the airports. Without derogating from the foregoing, the Mandatary shall, in particular, ensure that all his / her users or operators of any materials, machinery or equipment are properly trained in the use of such materials, machinery or equipment.
- 6.4 Notwithstanding the provisions of the above, the Mandatary shall ensure that he / she, his / her appointed responsible persons and his / her employees are at all times familiar with the provisions of the OHS Act, and that they comply with the provisions of the Act.
- 6.5 The Mandatary shall at all material times be responsible for all costs associated with the performance of its own obligations and compliance with the terms of this Agreement, unless otherwise expressly agreed by the Parties in writing.

7. SUPERVISION, DISCIPLINE AND REPORTING

- 7.1 The Mandatary shall ensure that all work performed on the Clients premises is done under strict supervision and that no unsafe or unhealthy work practices are permitted. Discipline regarding health and safety matters shall be strictly enforced against any of his / her employees regarding non-compliance by such employee with any health and safety matters.
- 7.2 The Mandatary shall further ensure that his / her employees report to him / her all unsafe or unhealthy work situations immediately after they become aware of the same and that he / she in turn immediately reports these to the Client within 48 hours with the action taken to mitigate the risk.
- 7.3 Where the hazard or risk identified is the responsibility of the Client to action, the Mandatary shall notify the Client OHS and Safety Department within 24 hours of becoming aware of the hazard or risk for prompt action to mitigate.

8. COOPERATION

- 8.1 The Mandatary and his/her employees shall provide full co-operation and information if and when the Client or his / her representative enquires into occupational health and safety issues concerning the Mandatary. It is hereby recorded that the Client and his / her representative shall at all times be entitled to make such an inquiry.
- 8.2 Without derogating from the generality of the above, the Mandatary and his / her responsible persons shall make available to the Client and his / her representative, on request, all and any checklists and inspection registers required to be kept by him / her in respect of any of his / her materials, machinery or equipment and facilities.

9. WORK PROCEDURES

- 9.1 The Mandatary shall, after having established the dangers associated with the work performed, develop and implement mitigation measures to minimize or eliminate such dangers for the purpose of ensuring a healthy and safe working environment.
- 9.2 The Mandatary shall then ensure that his / her responsible persons and employees are familiar with such mitigation measures. This includes the lock out tag out processes relating to the use of machinery.
- 9.3 The Mandatary shall implement any other safe work practices as prescribed by the Employer and shall ensure that his / her responsible persons and employees are made conversant with and adhere to such safe work practices.
- 9.4 The Mandatary shall ensure that work for which a permit is required by the Employer or any statute is not performed by his / her employees prior to the obtaining of such a permit.

10. HEALTH AND SAFETY MEETINGS

- 10.1 OHS Act requires that Health and Safety Committees be established in case where employee count exceeds 20 onsite, however due to the duration and the nature of the scope of work executed by the contractors and stakeholders enforces that regardless of employees at the airports. The Mandatary shall establish his / her own health and safety committee(s) and ensure that his / her employees, being the committee members, hold health and safety representatives to attend the Employer's health and safety committee meetings on monthly basis.
- 10.2 The Mandatary Section 16(2) appointed and SHE resource shall attend the Client SHE meetings as per the schedule communicated. In cases where the Mandatary delegated resources are not able to attend the meeting, an apology shall be submitted to the Client OHS Manager 24 hours before the meeting. An alternative representative shall be deployed to attend the meeting on the half of the Mandatary.
- 10.3 The Mandatary appointed Section 16(2) and SHE resource shall not skip more than three SHE Committee meetings a year.

11. COMPENSATION REGISTRATION/INSURANCE

- 11.1 The Mandatary warrants that all their employees and/or their contractor's employees if any are covered in terms of the COID Act, which shall remain in force whilst any such employees are present on the Client's premises. A letter is required prior commencing any work on site confirming that the Principal contractor or contractor or stakeholder is in good standing with the Compensation Fund or Licensed Insurer.
- 11.2 The Mandatary warrants that they are in possession of the following insurance cover, which cover shall remain in force whilst they and /or their employees are present on the Client's premises, or

which shall remain in force for that duration of their contractual relationship with the Client, whichever period is the longest.

11.3 The Mandatary shall provide the Client with Public Liability Insurance Cover as required by the Main Contract

11.4 Any other Insurance cover that will adequately makes provision for any possible losses and/or claims arising from their and /or their Subcontractors and/or their respective employee's acts and/or omissions on the Client's premises.

11.5 The Mandatary shall send updated Letter of Good Standing to the Client as and when the Mandatary receives it to ensure that the most valid version is available.

12. MEDICAL EXAMINATIONS

12.1 The Mandatary shall ensure that all his / her employees undergo routine medical examinations and that they are medically fit for the purposes of the work they are to perform.

12.2 Copies of such medical fitness certificates shall be made available to Client as part of the SHE files for review to ensure that they have been conducted by a reputable Occupational Health Practitioner registered with Health Professions Council of South Africa (HPCSA) as a doctor and specialist Occupational Medical Practitioner. Any other additional medical assessment shall be conducted in line with risk exposures.

12.3 Standard (Basic) medical tests shall constitute the following assessments as minimum:

- Individual's history of general and previous occupational health
- Comprehensive physical examination for evaluation of systemic function
- Blood Pressure Measurement
- Weight, Height and Body Mass Index
- Urine screening
- Drug screening
- Audio screening
- Lung Function Test
- Keystone eye test
- Work at Height Questionnaire
- Muscular skeletal questionnaire

13. INCIDENT REPORTING AND INVESTIGATION

13.1 All Safety, Health and Environmental Incidents shall be reported to the Client OHS and Safety Department within two hours from the time of occurrence via a phone call, SMS or email or before end of shift. This shall be followed by a formal report in a form of a preliminary report within forty-eight (48) hours.

13.2 All incidents referred to in Section 24 of the OHS Act shall be reported by the Mandatary to the Department of Labour and copies of such reporting to be sent to the Client. The Mandatary shall further be provided with copies of any written documentation and medical reports relating to any incident.

13.3 The Client retains an interest in the reporting of any incident as described above as well as in any formal investigation and/or inquiry conducted in terms of section 32 of the OHS-Act into such incident.

13.4 The Client reserves a right to hold its own investigation into any incident where it deems it is not satisfied with the incident investigation or where the severity of the incident is fatal or damage beyond a value of 1 million and above.

14. SUB CONTRACTORS

- 14.1 The Mandatary shall notify the Client of any subcontractor he / she may wish to source to perform work on his / her behalf on the Client premises. It is hereby recorded that all the terms and provisions contained in this clause shall be equally binding upon the subcontractor prior to the subcontractor commencing with the work. Without derogating from the generality of this paragraph:
- 14.2 The Mandatary shall ensure that the sub-contractor meets all the requirements and is competent for the scope of work contracted for. This includes that approval of the SHE files, SHE Plans associated with the work.

15. SECURITY AND ACCESS

The Mandatary shall request and familiarise its employees with the Client security rules which is not included in this agreement.

16. FIRE PRECAUTIONS AND FACILITIES

- 16.1 The Mandatary shall ensure that all his / her employees are familiar with fire precautions at the site(s), which includes fire-alarm signals and emergency exits, and that such precautions are adhered to.
- 16.2 This includes participating on planned and unplanned emergency drills organised the Client.

17. FACILITIES

The Mandatary shall have a program to upkeep and maintain the facilities leased out to it /shared with/ by the Client as stipulated on lease agreement.

18. HYGIENE AND CLEANLINESS

The Mandatary shall ensure that the work site, ablution, offices and surround area is at all times maintained to the reasonably practicable level of hygiene and cleanliness. In this regard, no loose materials shall be left lying about unnecessarily and the work site shall be cleared of waste material regularly and on completion of the work.

19. INTOXICATION AND SUBSTANCE ABUSE

- 19.1 Entry to the airside is subjected to Aviation Safety Requirements in line with Client Substance Abuse Policy. No intoxicating substance of any form shall be allowed on site where airside or land side. Any person suspected of being intoxicated shall not be allowed on the site. Any person required to take medication shall notify the relevant responsible person thereof, as well as the potential side effects of the medication.
- 19.2 The Client reserves a right to do substance abuse testing and main entry points for the Mandatary employees.
- 19.3 Intoxication limits shall be adhered to as stipulated on Client Substance Abuse Policy.
- 19.4 Records of substance abuse testing shall be filed on the SHE File and made available to the Employer on request.

20. PERSONAL PROTECTIVE EQUIPMENT

- 20.1 The Mandatary shall ensure that his / her responsible persons and employees are provided with adequate personal protective equipment (PPE) for the work they may perform and in accordance with the requirements of General Safety Regulation 2 (1) of the OHS Act. The Mandatary shall further ensure that his / her responsible persons and employees always wear the PPE issued to them.
- 20.2 The Mandatary shall always monitor compliance to PPE of his/her own employees, The Client can at its discretion conduct random PPE compliance inspections and these can be recorded officially on the Client non-conformance reporting tool.
- 20.3 The Mandatary shall keep records PPE Control cards of each employee those shall be kept on SHE File.

21. PLANT, MACHINERY AND EQUIPMENT

- 21.1 The Mandatary shall ensure that all the plant, machinery, equipment and/or vehicles he / she may wish to utilize on the Client premises is/are at all times of sound order and fit for the purpose for which it/they is/are attended to, and that it/they complies/comply with the requirements of Section 10 of the OHS Act.
- 21.2 Where the Mandatary equipment's interface to the Client's equipment's, a joint risk assessment shall be conducted by the Mandatary and the Client OHS department for the risks to be mitigated prior to the use of such equipment's. It is the responsibility of the Mandatary to notify the Client OHS department of such equipment's and machinery.
- 21.3 In accordance with the provisions of Section 10(4) of the OHS Act, the Mandatary hereby assumes the liability for taking the necessary steps to ensure that any article or substance that it erects or installs at the sites, or manufactures, sells or supplies to or for the Client, complies with all the prescribed requirements and will be safe and without risks to health and safety when properly used.

22. USAGE OF THE CLIENT'S EQUIPMENT

- 22.1 The Mandatary hereby acknowledge that his / her employees are not permitted to use any materials, machinery or equipment of the Employer unless the prior written consent of the Client has been obtained, in which case the Mandatary shall ensure that only those persons authorized to make use of same, have access thereto.
- 22.2 The Client shall ensure that it isolates and apply LOTO on any equipment's and machinery where there is an unexpected start up or flow of energy. The Mandatary has a responsibility to apply its own LOTO procedures before starting with work and post the use of the equipment and machinery.

23. PERMIT MANAGEMENT

- 23.1 The Mandatary shall ensure that work for which the issuing of permit to work is required shall not be performed prior to the obtaining of a duty completed approved permit by the Client or relevant Authority.
- 23.2 The Mandatary shall notify the Client of any work to be undertaken on site for the Permit to Work to be issued.

24. TRANSPORTATION

- 24.1 The Mandatary shall ensure that all road vehicles used on the sites are in a roadworthy condition

and are licensed and insured. All drivers shall have relevant and valid driving licenses and vehicle shall carry passengers unless it is specifically designed to do so. All drivers shall always adhere to the speed limits and road signs on the premises.

24.2 No employees on premises permitted in back of LDV (bakkie) and in front of LDV each driver and passenger must have a separate seat belt.

24.3 In the event that any hazardous substances are to be transported on the premises, the Mandatary shall ensure that the requirements of the Hazardous Substances Act 15 of 1973 are complied with fully all times.

25. CLARIFICATION

In the event that the Mandatary requires clarification of any of the terms or provisions of this agreement, he / she should contact the Client OHS Department.

26. DURATION OF AGREEMENT

This agreement shall remain in force for the duration of the work to be performed by the Mandatary and/or while any of the Mandatary's employees are present on the Client site.

27. NON-COMPLIANCE WITH THE AGREEMENT

If Mandatary fails to comply with any provisions of this agreement, the Client shall be entitled to give the Fourteen (14) days' notice in writing to remedy such non-compliance and if the Mandatary fails to comply with such notice, then the Client shall forthwith be entitled but not obliged, without prejudice to any other rights or remedies which the Mandatary may have in law,

- ❖ Apply low service damages/penalties as stipulated on the main contract between Mandatary and the Client.
- ❖ To claim immediate performance and/or payment of such obligations.
- ❖ Should Mandatary continue to breach the contract on three occasions for the same deviation, then the Client is authorised to suspend the main contract without complying with the condition stated in clause above.

28. INDEMNITY

The Mandatary hereby indemnifies the Client against any liability, loss, claims or proceedings whatsoever, whether arising in Common Law or by Statute; consequent personal injuries or the death of any person whomsoever (including claims by employees of the Mandatary and their dependents); or consequent loss of or damage to any moveable or immovable property arising out of or caused by or in connection with the execution of the Mandatary's contract with the Client, unless such liabilities, losses, claims or proceedings whatsoever are attributable to the Client's faults. The Mandatary or his/her employees is liable to prove without reasonable doubt that the loss is due to the Client's fault or negligence.

COMPLIANCE WITH THE OCCUPATIONAL HEALTH & SAFETY ACT 85 OF 1993
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The Mandatary undertakes to ensure that they and/or their subcontractors if any and/or their respective employees will always comply with the following conditions:

1. All work performed by the Mandatary on the Client's premises must be performed under the close supervision of the Mandatary's employees who are to be trained to understand the hazards associated with any work that the Mandatary performs on the Client's premises.
2. The Mandatary shall be assigned the responsibility in terms of Section 16(1) of the OHS Act 85 of 1993, if the Mandatary assigns any duty in terms of Section 16(2), a copy of such written assignment shall immediately be forwarded to the Client.
3. The Mandatary shall ensure that he/she familiarise himself/herself with the requirements of the OHS Act 85 of 1993 and that s/he and his/her employees and any of his subcontractors comply with the requirements.

29. FURTHER UNDERTAKING

Only a duly authorised representative appointed in terms of Section 16.2 of the OHS Act is eligible to sign this agreement on behalf of the Mandatary. The signing power of this representative must be designated in writing. A copy of this letter must be made available to the Client.

The Contract/Project Manager shall sign this agreement as the Client's representative.

ACCEPTANCE BY MANDATARY

In terms of section 37(2) of the Occupational Health & Safety Act 85 of 1993 and section 5.1(k) of the Construction Regulations 2014,

I a duly authorised 16.2 Appointee acting for and on behalf of(company name) undertake to ensure that the requirements and the provision of the OHS Act 85 of 1993 and its regulations are complied with.

Mandatory – WCA/ Federated Employers Mutual No.....

Expiry date

SIGNATURE ON BEHALF OF MANDATARY

(Warrant his authority to sign)

DATE

Witnesses:

1. _____

2. _____

SIGNATURE ON BEHALF OF THE CLIENT
AIRPORT COMPANY SOUTH AFRICA

DATE

Witnesses:

3. _____

4. _____

Part C1: Agreements and Contract Data

C1.4: ACSA Insurance Clauses

INSURANCE CLAUSES FOR CAPEX PROJECTS

The insurance clauses in this document should be extracted and attached to tender documents and to contracts.

SECTION A: DEFINITIONS

Landside refers to:

- Areas of the airport before the security points; and
- The restricted area beyond the security points but, within the perimeter of gatehouses, passenger terminals and cargo buildings.

Airside refers to:

- The Apron / manoeuvring areas; and
- Area within the airside boundary/perimeter fence, excluding the internal areas of the passenger terminals, perimeter gatehouses and cargo buildings.

SECTION B: INSURANCE CLAUSES

INSURANCE CLAUSES FOR LANDSIDE CONSTRUCTION CONTRACTS WHERE THE AWARDED CONTRACT VALUE DOES NOT EXCEED R150 MILLION, AND THE CONSTRUCTION PERIOD DOES NOT EXCEED 36 MONTHS, AND THE DEFECTS LIABILITY PERIOD DOES NOT EXCEED 24 MONTHS

Each Party shall be responsible for effecting and maintaining the relevant insurances as specified below and to the extent relevant to the Contract.

1. Insurance Effected by The Employer (Principle Controlled Insurance (“PCI”))

1.1. Notwithstanding anything elsewhere contained in this Contract and without limiting the obligations, liabilities or responsibilities of the Contractor in anyway whatsoever (including but not limited to any requirement for the provision by the Contractor of any other insurances) the Employer shall effect and maintain for the duration of the construction and maintenance periods of the Contract – as appropriate in the joint names of the Employer, the Contractor and where relevant Sub-Contractors the following insurances which are subject to the terms, limits, exceptions, and conditions of the Policy:

a) Contract Works/Contractors Public Liability/ Removal of Lateral Support Liability

Section 1 Of the Policy – Contract Works

Contract Works Insurance for the full value of the Works to provide cover against accidental physical loss of or damage to the Works, Temporary Works and materials intended for incorporation in the Works all being the subject matter of this Contract including to the extent provided for in the policy whilst in transit or temporarily stored at any premises and route to or from the Site (other than where this is a continuation of Marine Transit) within the territorial limits of the policy.

This insurance may specifically exclude any cost necessary to replace or rectify any of the property insured, which is in a defective condition due to defect in design, plan specification, material or workmanship.

This insurance contains the following limitations and warranties.

Open Trench Limitation

In respect of loss or damage to open trenches and pipes, conduits or cables laid therein, caused directly or indirectly by rain, inundation or flood, Insurers liability shall be limited in respect of the aggregate length of open trenches at any one time to 2,500 meters.

Exposed Layer Works (applicable to works involving paving, roadways, bulk earthworks and runways and taxiways)

In respect of loss or damage to Exposed Layer Works relating to paving, roadways, and runways (including taxiways) caused directly or indirectly by rain, inundation or flood, Insurers liability shall be limited in respect of the aggregate length of Exposed Layer Works at any one time to 2,500 meters.

Section II of the Policy – Contractors Public Liability

Public Liability Insurance which provides indemnity against legal liability in the event of accidental death of or injury to persons and/or loss of or damage to property (other than the Works the subject matter of this Contract) arising from the execution of the Contract with a limit of indemnity of R100,000,000 in respect of any one occurrence or series of occurrences consequent on or attributable to one source or original cause.

Section III of the Policy – Removal of Lateral Support Liability

Removal Of Lateral Support Liability which provides indemnity against legal liability in the event of accidental death of or injury to persons and/or loss of or damage to property (other than the Works the subject matter of this Contract) arising out of or in connection with shock or vibration or the removal or weakening of or interference with support to property in the vicinity of the Contract Site and arising out of or in connection with the Insured Contract (but not in respect of tunnelling works) and occurring during the Period of Insurance. The Limit of Indemnity being limited to R50,000,000 attributable to one source or original cause.

b) Contract Works SASRIA – Providing physical loss of or damage to the Works, Temporary Works and materials intended for incorporation in the Works as covered by the underlying Contract Works policy as noted in (a) above due to perils as covered in terms of the SASRIA Contract Works wording as issued by SASRIA SOC.

The Contract Works SASRIA cover excludes consequential or indirect loss or damage of any kind or description whatsoever.

The SASRIA Contract Works policy is limited to **R500,000,000 (Incl VAT)** in the aggregate during the policy period of insurance.

The Contract Works SASRIA policy wording can be obtained from the SASRIA website <http://www.sasria.co.za> / which notes the covers and policy exclusions.

c) Design & Construct Professional Indemnity Insurance which provides indemnity against legal liability to pay compensation as a result of any actual or alleged negligent act, error or omission in the performance of the Professional Duties of the insured and arising from the execution of this project. The limit of indemnity under this insurance shall be ***R25,000,000 in the aggregate during the annual policy period of insurance that ACSA effect such cover during the policy period from 1 April to 31 March during each policy period of insurance.**

**The limits of indemnity applies to all ACSA contracts as a whole and does not apply specifically to this contract. The aggregate limit could be exhausted by claims under other ACSA contracts and there is no guarantee that this insurance cover will provide sufficient cover to this specific contract should the aggregate limit be exhausted.*

The Policy only covers the rectification of the works and excludes all consequential losses.

Professional Duties do not include:

a) Labour and construction work which would normally be the responsibility of the building or engineering contractor.

b) Supervision of the construction works usually undertaken by a building or engineering contractor.

1. 2 The **Contractor** shall familiarise itself fully with the details of such insurance effected by the Employer. The Contractor shall comply to all the terms and conditions of the Employer arranged policies and the Contractor shall be deemed to be fully aware of all the conditions, limits, limitations, exclusions/exceptions, and deductibles that are contained in the Employer arranged policies. Copies of the Employer arranged policies are obtainable on request from the Employer and if the Contractor is of the opinion that additional insurance is required, such shall be for the Contractors account.

1.3 The Employer shall pay the premium in connection with the insurances effected by the Employer. The Employer is entitled to all return premiums, dividends, discounts, or adjustments in connection with the insurances effected by the Employer.

1.4 The Contractor shall not include any premium charges for this insurance except to the extent, which he may deem necessary in his own interests to effect supplementary insurance to the insurance effected by the Employer. The Employer reserves the right to call for full information regarding insurance costs included by the Contractor.

In the event that the Contractor purchases any insurances in addition to those indicated above, the premium and taxes, duties, etc. shall be borne entirely by the contractor.

1.5 Any further clarification of the scope of cover provided by the Policies arranged by the Employer should be obtained from the Employer.

1.6 The Contractor and/or any other party who obtains indemnity under the policies effected under 1.1 shall become liable for the deductibles (first amount payable) which are applicable in respect of each and every

occurrence or series of occurrences attributable to one source or cause giving rise to loss or damage or indemnifiable liability. The deductibles applicable to the policies effected under 1.1 are as follows:

a) Contract Works/Contractors Public Liability/ Removal of Lateral Support Liability

Unless stated otherwise in the Policy Extensions the Deductibles shall be as follows which will apply in respect of each and every occurrence or series of occurrences arising out of or in connection with any one event giving rise to loss or damage:

Section 1 of the Policy – Contract Works

In respect of all loss or damage R150,000 but increased to R250,000 in respect of loss or damage arising out of or in connection with testing and commissioning.

Section 2 of the Policy – Contractors Public Liability

R75,000 each and every claim in respect of Property Damage.

Section 3 Of the Policy – Removal Of Lateral Support Liability

R75,000 each and every claim.

b) Contract Works SASRIA

In respect of theft as a result of the SASRIA perils insured - **R25,000** each and every occurrence.

c) Design & Construct Professional Indemnity Insurance

a) In respect of contracts under R50 million at award – **R5,000,000**.

b) In respect of contracts over R50 million at award – **R10,000,000**.

1.7 In the event of any occurrence which is likely to give rise to a claim under the insurance arranged by the Employer, the Contractor shall:

- a) In addition to any statutory requirement or other requirements contained in the Contract immediately notify the Employer and the Employer's Insurance Brokers by telephone, mobile phone or email giving the circumstances, nature and an estimate of the loss or damage or liability. The Contractor must also complete the Claim Advice Form (Appendix "A").

The following persons/insurers must be advised immediately on the occurrence of a claim on site or even a possibility of a claim arising due to an incident occurring on site:

Airports Company South Africa:

Nokulunga Masiza

Tel: +27 (0)11 723 1400

M: +27 (0)79 512 0532

Nokulunga.Masiza@airports.co.za

Buhle Mnguni

D: +27 (0)11 723 1400

M: +27 (0)74 535 9075

Buhle.Mnguni@airports.co.za

b) Preserve damage and make it available for inspection by a representative of the Insurers.

c) Wherever possible, photographs of damage should be taken.

- d) Inform the police authorities promptly in the event of loss or damage by theft, burglary or any malicious persons(s) for the purpose of recovering any property so lost, discovering the guilty person or persons, and having him, her or them duly prosecuted.
- e) Advise the Insurers of any other insurance(s) which may cover the same loss, damage or injury, or any part thereof.
- f) Give to the Insurers every assistance to enable the Insurers to settle or resist any claim against the Insured or institute any proceedings.
- g) On completion the Claims Advice Form, the form must be sent to the Employers Insurance Brokers for further action (the original may be emailed to the Employers Insurance Broker). (Please do not remove the Claims Advice Form out of this document. Rather photocopy the form and send the copy to the Employers Insurance Brokers).
- h) The Employer and the employers Insurance brokers / Insurers or their appointed loss adjusters shall have the right to make all and any enquiries on the Site of the Works or elsewhere as to the cause and results of any such occurrence and the Contractor shall cooperate in carrying out such enquiry's.
- i) The Contractor, Project Managers and Consultants must allow free access to Insurers' assessors for the purpose of investigating and assessing the loss or damage.
- j) The Contractor must not proceed with the making good any off the loss without the prior authorisation of the Insurers.
- k) The Contractor must keep separate records of the costs involved in making good any loss or damage and these records should be available at all times for inspection by Insurers. Such records should include inter alia the entire cost of labour, materials, transport and equipment.
- l) Where required by the Employer, negotiate the settlement of claims with the Insurer or their appointed loss adjusters through the Employer's Insurance Brokers and shall obtain the Employer's approval of such settlement.
- m) Once the amount of a claim is agreed by the Insurers and the Contractor, an "Agreement of Loss" form must be signed by the Contractor and if required this shall be counter signed by the Employer or the Project Managers.
- n) The proceeds of such claim will, if required by the Employer, be paid net of any Deductible applicable under the policy by the Insurers to the Employer who on receipt thereof will arrange for payment to be made in terms of the Conditions of Contract. In the event that it is agreed by the Employer that such claims payment be made directly to the Contractor, the Contractor shall arrange for the Employer to endorse the "Agreement of Loss" to this effect.

2. Insurance Effected by the Contractor.

In addition to Clause 1.1 in respect of the insurances effected by the Employer the following Insurances to be affected by the Contractor:

2.1 Without limiting the Contractor's obligations, responsibilities and liabilities, the Contractor and Sub-contractor shall maintain at the Contractor's and Subcontractor's expense and where applicable provide as a minimum the following insurances:

a) Insurance of Construction Plant and Equipment (including tools offices and other temporary structures and contents) and other things (except those intended for incorporation into the Works) brought onto the site for a sum sufficient to provide for their replacement.

The Employer shall be named as additional insured and a waiver of subrogation shall be provided to the Employer.

b) Contractor's Common Law Liability/ Worker's Compensation Insurance the Contractor shall take out and maintain employer's liability insurance with a limit of indemnity of not less than **R20,000,000** and/or workmen's compensation insurance covering personal injury to or death of the employees of the Contractor engaged in connection with the Works to the minimum value required by applicable law.

The Contractor shall procure that its Subcontractors take out and maintain similar insurance in respect of its Subcontractor's personnel performing the Works.

In the event that a claim is made against the Employer in connection with such insurance, the Contractor shall indemnify and hold harmless the Employer against any such claim. The Employer shall be named as additional insured and a waiver of subrogation shall be provided to the Employer.

c) Motor Vehicle Liability Insurance comprising (as a minimum) "Balance of Third Party" Risks including Passenger Liability indemnity with a limit of indemnity of not less than **R5 000 000** for all owned, non-owned, leased and hired vehicles.

d) Insurance For Buy-Down Cover Of Employer's Deductibles Should the Contractor believe that the Employer effected Contract Works, Public Liability and Design & Construct Professional Indemnity deductibles as noted in Clause 1.1 (a) and (c) be considered to be unacceptable to the Contractor, then the Contractor must obtain Buy Down cover for these deductibles to a deductible considered by the Contractor as being acceptable in respect of the works being undertaken.

e) Where the Contract involves manufacturing and/or fabrication of the Works or parts thereof at premises other than at the Contract Site the Contractor shall satisfy the Employer that all materials and equipment for incorporation in the Works are adequately insured during manufacture and/or fabrication. In the event of the Employer having an insurable interest in such Works during manufacture or fabrication then such interest shall be noted by endorsement to the relevant Policies of Insurance.

Such insurance shall name Employer as an additional insured and shall be primary to any insurance maintained by the Employer.

f) Public Liability insurances in excess of the Employers Public Liability insurances as stated under clause 1.1(a).

g) Contractor's Professional Indemnity Insurance in excess of the Employers Design & Construct Professional Indemnity insurances as stated under clause 1.1(c) and if applicable to cover the deductible that applies to the Employer effected insurance.

h) Marine Cargo Insurance (If Applicable)

Cover: Imports of cargo, equipment, goods, plant, machinery and materials ("Insured Property") to the site where the Permanent Works will be constructed.

Sum Insured: Not less than the value of the largest single cargo shipment, conveyance or the value in storage, whichever is the greater (CIF plus 10%).

Marine / Air Cargo Insurance covering the Insured Property against all risks of physical loss or damage while in transit by land, sea or air from country of origin anywhere in the world to the site where the Permanent Works will be constructed including loading, or vice versa, from the commencement of the time the insured items are loaded prior leaving the warehouse or factory for shipment to the said site.

The insured parties are the Employer, the Contractor and its Subcontractors, and all their personnel involved in the execution of any Works on the construction site.

j) Miscellaneous Insurance other insurance as is customary, desirable or necessary to comply with applicable Laws in the Country.

2.2 The insurances to be provided by the Contractor and his Sub-contractor shall be affected with Insurers and on terms approved by the Employer (which approval shall not be unreasonably withheld) and shall be

maintained in force for the duration required (including any period of maintenance/defects liability period). The Contractor shall within twenty eight (28) days of commencement of the contract produce to the Employer the relevant Policy or Policies of Insurance.

2.3 In the event that the Contractor or his Sub-contractor receives any notice of cancellation or restrictive modification to the insurance provided to them they shall immediately notify the Employer in writing of such cancellation or restriction and shall advise what action the Contractor or his Sub-contractor will take to remedy such action. If the Contractor fails to effect and keep in force the insurances referred to then the Employer may effect and keep in force any such insurances and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount paid by the Employer from any monies due or which may become due to the Contractor or recover same as a debt from the Contractor.

2.4 Sub-Contractors.

The Contractor shall:

- a) ensure that all potential and appointed Sub-contractors are aware of the whole contents of these Insurance Clauses, and
- b) enforce the compliance by sub-contract agreement between the Contractor and Sub-Contractor and where applicable that the Sub Contractor effect similar insurance relating to the insurances required to be effected by the Contractor under Clause 2 (Contractor effected insurances).

APPENDIX A

CONTRACTORS CLAIMS ADVICE FORM - FOR ACSA INSURED CONTRACTS UNDER THE ANNUAL POLICY

Send to: Airports Company South Africa

E-Mail The Following People :

Nokulunga.Masiza@airports.co.za

Buhle.Mnguni@airports.co.za

* (Please provide name of contracting company, site address, telephone numbers and e-mail address).

RE :ACSA CONTRACTORS : CAR/PL/PI : CLAIM

Date of loss: _____

Reported to site agent by: _____ Date: _____

Reported to Insurance Broker by: _____ Date: _____

Locality of Incident _____

How did the loss occur (cause)? _____

Details and nature of loss or damage to Contract Works _____

Details of other property damaged _____

Names and address of witnesses _____

Estimated cost of repairs (Separate records of all costs must be kept) R_____

Person whom assessor should contact _____

Telephone/Mobile Numbers of Contact Person _____

Email Address of Contact Person _____

INSURANCE CLAUSES FOR AIRSIDE CONSTRUCTION CONTRACTS WHERE THE AWARDED CONTRACT VALUE DOES NOT EXCEED R150 MILLION, AND THE CONSTRUCTION PERIOD DOES NOT EXCEED 36 MONTHS, AND THE DEFECTS LIABILITY PERIOD DOES NOT EXCEED 24 MONTHS

Each Party shall be responsible for effecting and maintaining the relevant insurances as specified below and to the extent relevant to the Contract.

1. Insurance Effected by The Employer (Principle Controlled Insurance (“PCI”))

1.1 Notwithstanding anything elsewhere contained in this Contract and without limiting the obligations, liabilities or responsibilities of the Contractor in anyway whatsoever (including but not limited to any requirement for the provision by the Contractor of any other insurances) the Employer shall effect and maintain for the duration of the construction and maintenance periods of the Contract – as appropriate in the joint names of the Employer, the Contractor and where relevant Sub-Contractors the following insurances which are subject to the terms, limits, exceptions, and conditions of the Policy:

a) Contract Works/Contractors Public Liability/ Removal of Lateral Support Liability

Section 1 Of the Policy – Contract Works

Contract Works Insurance for the full value of the Works to provide cover against accidental physical loss of or damage to the Works, Temporary Works and materials intended for incorporation in the Works all being the subject matter of this Contract including to the extent provided for in the policy whilst in transit or temporarily stored at any premises and route to or from the Site (other than where this is a continuation of Marine Transit) within the territorial limits of the policy.

This insurance may specifically exclude any cost necessary to replace or rectify any of the property insured, which is in a defective condition due to defect in design, plan specification, material or workmanship.

This insurance contains the following limitations and warranties.

Open Trench Limitation

In respect of loss or damage to open trenches and pipes, conduits or cables laid therein, caused directly or indirectly by rain, inundation or flood, Insurers liability shall be limited in respect of the aggregate length of open trenches at any one time to 2,500 meters.

Exposed Layer Works (applicable to works involving paving, roadways, bulk earthworks and runways and taxiways)

In respect of loss or damage to Exposed Layer Works relating to paving, roadways, and runways (including taxiways) caused directly or indirectly by rain, inundation or flood, Insurers liability shall be limited in respect of the aggregate length of Exposed Layer Works at any one time to 2,500 meters.

Section II of the Policy – Contractors Public Liability

Public Liability Insurance which provides indemnity against legal liability in the event of accidental death of or injury to persons and/or loss of or damage to property (other than the Works the subject matter of this Contract) arising from the execution of the Contract with a limit of indemnity of **R100,000,000** in respect of any one occurrence or series of occurrences consequent on or attributable to one source or original cause.

Section III of the Policy – Removal of Lateral Support Liability

Removal Of Lateral Support Liability which provides indemnity against legal liability in the event of accidental death of or injury to persons and/or loss of or damage to property (other than the Works the subject matter of this Contract) arising out of or in connection with shock or vibration or the removal or weakening of or interference with support to property in the vicinity of the Contract Site and arising out of or in connection with the Insured Contract (but not in respect of tunnelling works) and occurring during the Period of Insurance.

The Limit of Indemnity being limited to **R50,000,000** attributable to one source or original cause.

b) Contract Works SASRIA – Providing physical loss of or damage to the Works, Temporary Works and materials intended for incorporation in the Works as covered by the underlying Contract Works policy as noted in (a) above due to perils as covered in terms of the SASRIA Contract Works wording as issued by SASRIA SOC.

The Contract Works SASRIA cover excludes consequential or indirect loss or damage of any kind or description whatsoever.

The SASRIA Contract Works policy is limited to **R500,000,000 (Incl VAT)** in the aggregate during the policy period of insurance.

The Contract Works SASRIA policy wording can be obtained from the SASRIA website <http://www.sasria.co.za> / which notes the covers and policy exclusions.

c) Aviation Liability Insurance which provides indemnity against legal liability in the event of accidental death of or injury to persons and/or loss of or damage to property (other than the Works the subject matter of this Contract) arising from the execution of the Contract with a limit of indemnity of **R2,000,000,000** in respect of any one occurrence or series of occurrences consequent on or to one source or original cause.

This insurance is in respect of liability relating to aircrafts.

d) Design & Construct Professional Indemnity Insurance which provides indemnity against legal liability to pay compensation as a result of any actual or alleged negligent act, error or omission in the performance of the Professional Duties of the insured and arising from the execution of this project. The limit of indemnity under this insurance shall be ***R25,000,000 in the aggregate during the annual policy period of insurance that ACSA effect such cover during the policy period from 1 April to 31 March during each policy period of insurance.**

**The limits of indemnity applies to all ACSA contracts as a whole and does not apply specifically to this contract. The aggregate limit could be exhausted by claims under other ACSA contracts and there is no guarantee that this insurance cover will provide sufficient cover to this specific contract should the aggregate limit be exhausted.*

The Policy only covers the rectification of the works and excludes all consequential losses.

Professional Duties do not include:

- a) Labour and construction work which would normally be the responsibility of the building or engineering contractor.
- b) Supervision of the construction works usually undertaken by a building or engineering contractor.

1.2 The **Contractor** shall familiarise itself fully with the details of such insurance effected by the Employer. The Contractor shall comply to all the terms and conditions of the Employer arranged policies and the Contractor shall be deemed to be fully aware of all the conditions, limits, limitations, exclusions/exceptions, and deductibles that are contained in the Employer arranged policies. Copies of the Employer arranged policies are obtainable on request from the Employer and if the Contractor is of the opinion that additional insurance is required, such shall be for the Contractors account.

1.3 The Employer shall pay the premium in connection with the insurances effected by the Employer. The Employer is entitled to all return premiums, dividends, discounts, or adjustments in connection with the insurances effected by the Employer.

1.4 The Contractor shall not include any premium charges for this insurance except to the extent, which he may deem necessary in his own interests to effect supplementary insurance to the insurance effected by the Employer. The Employer reserves the right to call for full information regarding insurance costs included by the Contractor.

In the event that the Contractor purchases any insurances in addition to those indicated above, the premium and taxes, duties, etc. shall be borne entirely by the contractor.

1.5 Any further clarification of the scope of cover provided by the Policies arranged by the Employer should be obtained from the Employer.

1.6 The Contractor and/or any other party who obtains indemnity under the policies effected under 1.1 shall become liable for the deductibles (first amount payable) which are applicable in respect of each and every occurrence or series of occurrences attributable to one source or cause giving rise to loss or damage or indemnifiable liability. The deductibles applicable to the policies effected under 1.1 are as follows:

a) Contract Works/Contractors Public Liability/ Removal of Lateral Support Liability

Unless stated otherwise in the Policy Extensions the Deductibles shall be as follows which will apply in respect of each and every occurrence or series of occurrences arising out of or in connection with any one event giving rise to loss or damage:

Section 1 of the Policy – Contract Works

In respect of all loss or damage **R150,000** but increased to **R250,000** in respect of loss or damage arising out of or in connection with testing and commissioning.

Section 2 of the Policy – Contractors Public Liability

R75,000 each and every claim in respect of Property Damage.

Section 3 Of the Policy – Removal Of Lateral Support Liability

R75,000 each and every claim.

b) Contract Works SASRIA

In respect of theft as a result of the SASRIA perils insured - **R25,000** each and every occurrence.

c) Aviation Liability Insurance

In respect of each and every loss or damage or injury – **R300 000**.

d) Design & Construct Professional Indemnity Insurance

a) In respect of contracts under R50 million at award – **R5,000,000**.

b) In respect of contracts over R50 million at award – **R10,000,000**.

1.7 In the event of any occurrence which is likely to give rise to a claim under the insurance arranged by the Employer, the Contractor shall:

- b) In addition to any statutory requirement or other requirements contained in the Contract immediately notify the Employer and the Employer's Insurance Brokers by telephone, mobile phone or email giving the circumstances, nature and an estimate of the loss or damage or liability. The Contractor must also complete the Claim Advice Form (Appendix "A").

The following persons/insurers must be advised immediately on the occurrence of a claim on site or even a possibility of a claim arising due to an incident occurring on site:

Airports Company South Africa:

Nokulunga Masiza

Tel: +27 (0)11 723 1400

M: +27 (0)79 512 0532

Nokulunga.Masiza@airports.co.za

Buhle Mnguni

D: +27 (0)11 723 1400

M: +27 (0)74 535 9075

Buhle.Mnguni@airports.co.za

- b) Preserve damage and make it available for inspection by a representative of the Insurers.
- c) Wherever possible, photographs of damage should be taken.
- d) Inform the police authorities promptly in the event of loss or damage by theft, burglary or any malicious persons(s) for the purpose of recovering any property so lost, discovering the guilty person or persons, and having him, her or them duly prosecuted.
- e) Advise the Insurers of any other insurance(s) which may cover the same loss, damage or injury, or any part thereof.
- f) Give to the Insurers every assistance to enable the Insurers to settle or resist any claim against the Insured or institute any proceedings.
- g) On completion the Claims Advice Form, the form must be sent to the Employers Insurance Brokers for further action (the original may be emailed to the Employers Insurance Broker). (Please do not remove the Claims Advice Form out of this document. Rather photocopy the form and send the copy to the Employers Insurance Brokers).
- h) The Employer and the employers Insurance brokers / Insurers or their appointed loss adjusters shall have the right to make all and any enquiries on the Site of the Works or elsewhere as to the cause and results of any such occurrence and the Contractor shall cooperate in carrying out such enquiry's.
- i) The Contractor, Project Managers and Consultants must allow free access to Insurers' assessors for the purpose of investigating and assessing the loss or damage.
- j) The Contractor must not proceed with the making good any off the loss without the prior authorisation of the Insurers.
- k) The Contractor must keep separate records of the costs involved in making good any loss or damage and these records should be available at all times for inspection by Insurers. Such records should include inter alia the entire cost of labour, materials, transport and equipment.
- l) Where required by the Employer, negotiate the settlement of claims with the Insurer or their appointed loss adjusters through the Employer's Insurance Brokers and shall obtain the Employer's approval of such settlement.
- m) Once the amount of a claim is agreed by the Insurers and the Contractor, an "Agreement of Loss" form must be signed by the Contractor and if required this shall be counter signed by the Employer or the Project Managers.
- n) The proceeds of such claim will, if required by the Employer, be paid net of any Deductible applicable under the policy by the Insurers to the Employer who on receipt thereof will arrange for payment to be made in terms of the Conditions of Contract. In the event that it is agreed by the Employer that such claims payment be made directly to the Contractor, the Contractor shall arrange for the Employer to endorse the "Agreement of Loss" to this effect.

3. Insurance Effected by the Contractor.

In addition to Clause 1.1 in respect of the insurances effected by the Employer the following Insurances to be affected by the Contractor:

2.1 Without limiting the Contractor's obligations, responsibilities and liabilities, the Contractor and Sub-contractor shall maintain at the Contractor's and Subcontractor's expense and where applicable provide as a minimum the following insurances:

a) Insurance of Construction Plant and Equipment (including tools offices and other temporary structures and contents) and other things (except those intended for incorporation into the Works) brought onto the site for a sum sufficient to provide for their replacement.

The Employer shall be named as additional insured and a waiver of subrogation shall be provided to the Employer.

b) Contractor's Common Law Liability/ Worker's Compensation Insurance the Contractor shall take out and maintain employer's liability insurance with a limit of indemnity of not less than **R20,000,000** and/or workmen's compensation insurance covering personal injury to or death of the employees of the Contractor engaged in connection with the Works to the minimum value required by applicable law.

The Contractor shall procure that its Subcontractors take out and maintain similar insurance in respect of its Subcontractor's personnel performing the Works.

In the event that a claim is made against the Employer in connection with such insurance, the Contractor shall indemnify and hold harmless the Employer against any such claim. The Employer shall be named as additional insured and a waiver of subrogation shall be provided to the Employer.

c) Motor Vehicle Liability Insurance comprising (as a minimum) "Balance of Third Party" Risks including Passenger Liability indemnity with a limit of indemnity of not less than **R5 000 000** for all owned, non-owned, leased and hired vehicles.

d) Insurance For Buy-Down Cover Of Employer's Deductibles Should the Contractor believe that the Employer effected Contract Works, Public Liability and Design & Construct Professional Indemnity deductibles as noted in Clause 1.1 (a) and (c) be considered to be unacceptable to the Contractor, then the Contractor must obtain Buy Down cover for these deductibles to a deductible considered by the Contractor as being acceptable in respect of the works being undertaken.

e) Where the Contract involves manufacturing and/or fabrication of the Works or parts thereof at premises other than at the Contract Site the Contractor shall satisfy the Employer that all materials and equipment for incorporation in the Works are adequately insured during manufacture and/or fabrication. In the event of the Employer having an insurable interest in such Works during manufacture or fabrication then such interest shall be noted by endorsement to the relevant Policies of Insurance.

Such insurance shall name Employer as an additional insured and shall be primary to any insurance maintained by the Employer.

f) Public Liability insurances in excess of the Employers Public Liability insurances as stated under clause 1.1(a).

g) Contractor's Professional Indemnity Insurance in excess of the Employers Design & Construct Professional Indemnity insurances as stated under clause 1.1(c) and if applicable to cover the deductible that applies to the Employer effected insurance.

h) Marine Cargo Insurance (If Applicable)

Cover: Imports of cargo, equipment, goods, plant, machinery and materials ("Insured Property") to the site where the Permanent Works will be constructed.

Sum Insured: Not less than the value of the largest single cargo shipment, conveyance or the value in storage, whichever is the greater (CIF plus 10%).

Marine / Air Cargo Insurance covering the Insured Property against all risks of physical loss or damage while in transit by land, sea or air from country of origin anywhere in the world to the site where the Permanent Works will be constructed including loading, or vice versa, from the commencement of the time the insured items are loaded prior leaving the warehouse or factory for shipment to the said site.

The insured parties are the Employer, the Contractor and its Subcontractors, and all their personnel involved in the execution of any Works on the construction site.

j) Miscellaneous Insurance other insurance as is customary, desirable or necessary to comply with applicable Laws in the Country.

2.2 The insurances to be provided by the Contractor and his Sub-contractor shall be effected with Insurers and on terms approved by the Employer (which approval shall not be unreasonably withheld) and shall be maintained in force for the duration required (including any period of maintenance/defects liability period). The Contractor shall within twenty eight (28) days of commencement of the contract produce to the Employer the relevant Policy or Policies of Insurance.

2.3 In the event that the Contractor or his Sub-contractor receives any notice of cancellation or restrictive modification to the insurance provided to them they shall immediately notify the Employer in writing of such cancellation or restriction and shall advise what action the Contractor or his Sub-contractor will take to remedy such action. If the Contractor fails to effect and keep in force the insurances referred to then the Employer may effect and keep in force any such insurances and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount paid by the Employer from any monies due or which may become due to the Contractor or recover same as a debt from the Contractor.

2.4 Sub-Contractors.

The Contractor shall:

a) ensure that all potential and appointed Sub-contractors are aware of the whole contents of these Insurance Clauses, and

b) enforce the compliance by sub-contract agreement between the Contractor and Sub-Contractor and where applicable that the Sub Contractor effect similar insurance relating to the insurances required to be effected by the Contractor under Clause 2 (Contractor effected insurances).

APPENDIX A

CONTRACTORS CLAIMS ADVICE FORM - FOR ACSA INSURED CONTRACTS UNDER THE ANNUAL POLICY

Send to: Airports Company South Africa

E-Mail The Following People:

Nokulunga.Masiza@airports.co.za

Buhle.Mnguni@airports.co.za

* (Please provide name of contracting company, site address, telephone numbers and e-mail address).

RE: ACSA CONTRACTORS : CAR/PL/PI : CLAIM

Date of loss: _____

Reported to site agent by: _____ Date: _____

Reported to Insurance Broker by: _____ Date: _____

Locality of Incident _____

How did the loss occur (cause)? _____

Details and nature of loss or damage to Contract Works _____

Details of other property damaged _____

Names and address of witnesses _____

Estimated cost of repairs (Separate records of all costs must be kept) R_____

Person whom assessor should contact _____

Telephone/Mobile Numbers of Contact Person _____

Email Address of Contact Person _____

Part C2: Pricing Data

C2.1 Pricing Instructions

C2.2 Pricing Data

Part C2: Pricing Data

C2.1: Pricing Instructions

The appointment of the company, comprising the successful professional team, will be in accordance with the NEC3 Professional Services Contract, April 2013, as amended by ACSA's specific requirements at an operational airport.

The key professionals that are required on this project are as follows:

1.	Principal Civil Engineer	Overall responsibility of the design and implementation of the project. Primary liaison with the Client (to be present at all Progress Meetings) Guidance of the design, Municipal submissions, Design Report Submission, Project professional Signoff's.
2.	Hydrologist/ Hydrogeologist	Responsible for hydrological/ Hydrogeological components of the project, Monitoring and Management and overall support to principal engineer.

The fee proposal shall be based on a percentage of the construction value, based on the recommended Tariff of Fees less the percentage discount being offered by the tenderer. No admin fee shall be payable on sub-consultant remuneration.

The objective of the *Employer* is to develop project lifecycle capability for his trainee engineers. As such, this project is identified to offer training and development for two Candidates (*a Project Manager and Civil Engineer Trainee*) to partake and be trained by the Consultant throughout this project. The Consultants should allow sufficient hours of involving, training, guiding, and checking the ACSA two Candidates work for the duration of the project.

NB: Tenderers must only price in accordance with the pricing schedule below. This will enable ACSA to compare priced offers. Failure to submit a priced offer using the prescribed schedule will make the bid liable for disqualification.

Project Budget

For the purposes of estimation, in line with the Guideline for services and processes for estimating fees for persons registered in terms of the Engineering Profession Act, published by the Engineering Council of South Africa (2015); the work to be done under this contact can be classified as:

- Order of Magnitude Project Estimate: R 10 000 000.00

Permits for Access to the Airport restricted areas

Please note that before working at the Chief Dawid Stuurman International Airport, all personnel (all members of the professional team) will be required to be in possession of an ACSA permit.

The Consultant shall not be compensated for costs relating to ACSA required permits, nor for labour / time spent in obtaining it. An allowance must be made in the schedule of rates for costs in this regard.

Proof of having attended the airside induction training course is required for all personal permit applications. Fees are levied for these courses. Fees are further levied for all permit renewals and refresher courses – where applicable.

The Consultant must ensure that he/she is, at all times, familiar with ACSA's safety and security requirements relating to permits in order for no work to be delayed as a result thereof. This will include the permit application process and the SAPS background checks.

Note that (within reason) the Consultants will have no claim against ACSA in the event that a permit request is refused.

Further details are obtainable from the Chief Dawid Stuurman International Airport Permit Office.

Below are the Permit Prices for personnel. All personnel on the project that will need to access site, which is on airside, shall have a permit. Permit prices to be included in the Bid Rates. No Disbursements or Provisional Sum shall be used to cover the cost of permits.

NEW PERMIT PRICE		
Permit Type	Duration	Price (VAT incl. at 15%)
PERSONAL PERMITS		
Personal Visitors permits	1 day	R 36,17
Personal temporary permits	2-5 days	R 50,37
Personal Permanent permits	6days-2yrs	R 242,54
SAPS fingerprint and background check	2 years	R 48.00
VEHICLE PERMITS		
Vehicle temporary permits	1 day	R 43,61
Vehicle temporary permits	2 days	R 81,90
Vehicle temporary permits	3 days	R 120,21
Vehicle temporary permits	1-3 months	R 303,17
Vehicle temporary permits	4-6 months	R 598,90
Vehicle temporary permits	6 – 12 months	R 1 213,75
PERSONAL PERMIT PENALTIES		
1 st Lost Personal Permit		R 404,24
2 nd Lost Personal Permit		R 585,06
3 RD Loss Personal Permit	No re-issue	0
1 st damaged Personal Permit		R 145,52
CELL PHONE PERMITS		
Cell phone permits		R 61,17
1 st Lost Cell phone permit		R 145,52
2 nd Lost Cell phone permit		R 287,21
Lost Permit 3 rd Time	No re-issue	
COURSE		
AVOP Corse		R 378,97
Avop refresher (after 2 years)		R 265,28
Airside induction		R 378,97
Airside induction refresher		R 265,28

C2.2: Pricing Schedule

PROVISION OF WATER EXTRACTION, HARVESTING, WATER DISTRIBUTION, TREATMENT AND STORAGE DESIGN AT CHIEF DAWID STUURMAN INTERNATIONAL AIRPORT.			
Project Estimated construction value			R 10 000 000.00 excl. VAT
Table A1: Normal Professional Fees			
Total Percentage of Professional Fees		Offered Normal Fees (%)	Amount excl. VAT
		%	R
	SERVICES ACCORDING TO PROJECT STAGES	% Of basic fee for each stage	OFFERED FEE (R)
1.	Stage 1: Inception	5%	R
2.	Stage 2: Concept and Viability	25%	R
3.	Stage 3: Detailed Design	25%	R
4.	Stage 4: Documentation and Procurement	15%	R
5.	Stage 5: Contract administration and Inspection	25%	R
6.	Stage 6: Close-Out	5%	R
Total Offered Professional Normal Fees for this Project (Excluding VAT) to be carried forward to Table C1			R
Table B1: Construction Monitoring – Level 2			
Construction Duration		Monthly Rate	Amount (R)
12 Months (Subjected to actual project duration)		R	R
Total Offered Construction Monitoring for this Project (Excluding VAT) to be carried forward to Table C1			R
Table B2: Additional Services			
	Additional Professional Services	Unit	Amount (R)
1.	Environmental Impact Assessment	L/Sum	R
2.	Topographical Survey	L/Sum	R
3.	Geotechnical Assessment	L/Sum	R
4.	Hydrological/ Hydrogeological Assessment and Tests	L/Sum	R
4.	Construction Health and Safety monthly audits -OHS Agent (Professional registered with SACPCMP)	L/Sum	R
5.	Water Use Licence Application (WULA)	L/Sum	R
Total Offered Additional Professional Services for this Project (Excluding VAT) to be carried forward to Table C1			R
Table C1: Summary			
Total - Table A1: Normal Professional Fees			R
Total - Table B1: Construction Monitoring – Level 2			R

Total - Table B2: Additional Services	R
Bidders total Fees (Excl VAT)	R
Sub-Total	
Add 15% VAT	
Total (Including VAT) Carried to Form of Offer	

Notes to Pricing:

- For all project stages, the prices shall include guidance, oversight, training and development of the ACSA Two Trainees. The ACSA Trainees will be involved in all project phases.
- Allowance shall be made for time spent in such activities and allowed for in the prices for each stage.
- Allowance shall be made for all overheads and materials commensurate with a project of this nature and value. This includes, but is not limited to:
 - Relevant design software, either at on the Consultants computers or access on the Engineer's laptop
 - Reasonable printing, as related to the size and nature of this project.

DISBURSMENT SCHEDULE

- (a) Only project related costs listed below and presented to ACSA will be compensated by ACSA.
- (b) Any disbursement costs related to travelling to and from the airport or accommodation for the purpose of the project(s) is deemed to be inclusive in the agreed fee structure, unless otherwise agreed in writing by both parties. Disbursement costs not mentioned below (including under note (e)) may be brought to the attention of the ACSA project representative for approval and agreement on the recoverable amount, prior to incurring such cost.
- (c) The project site is located in Port Elizabeth (Eastern Cape), while the ACSA Two Trainees are based in Port Elizabeth.
- (d) All rates are exclusive of VAT
- (e) Health and Safety Agent will be recovered through Disbursements or through ACSA direct contract.
- (f) No mark-up on any disbursement cost will be paid.
- (g) No payment for disbursement will be made for the following:
 - Travelling and accommodation
 - Typing of correspondence, payment certificates, variation orders, progress reports or financial reports
 - Telephone calls
 - Cellular calls
 - Computer costs
 - Telefaxes (outgoing or incoming)
 - Email (sent or received)

Above expenses by the Tenderer are deemed to be inclusive in their professional fees.

Notes:

- Project teams should make allowance for all communication and material commensurate with a project of this nature and value. This will include, but not limited to, printing of concept / prelim drawings, detailed design drawings and user drawings for approval and 3D drawings. / representations... etc.
- Note that the final utilised Disbursements will be subject to prior approval by ACSA.
- With reference to clause 24.2 of NEC3 PSC, Procurement of any sub-consultant or specialist services shall be on a 3-quote system, in line with National Treasury regulations, and shall be submitted for ACSA approval before services are rendered. The amounts paid and BBBEE level shall be tracked and reported to ACSA for the duration of the contract. Documentation shall include the BBBEE Certificate and valid Tax Clearance Certificate. Failure to follow this process may result in the services not being approved for payment.

Part C3: Scope of Work (Works Information)

C3.1 Description of Works (Works Information)

Part C3: Scope of Works

C3.1: Description of the Works

Executive overview

This project seeks to address water security concerns at Chief Dawid Stuurman International Airport. The Nelson Mandela Bay Municipality experienced prolonged drought in the past 10 years, as such the dam levels were deteriorated drastically to a level where they were at a critical level (averaged dam level once was 10%). The projected day zero for the Airport vicinity was 16 June 2023. CDSIA is supplied from the Churchill dam which was sitting at 14,63% as of April 2023, with no record of full capacity to date.

Objectives:

Chief Dawid Stuurman International Airport is looking to procure engineering professional services from a capable and qualified professional service provider for the provision of water extraction, harvesting, water distribution, treatment and storage design for the airport water security solutions for Chief Dawid Stuurman International Airport.

The services of a professional engineering company are required to perform the solution that will cover the following:

- A. The service provider to establish the source of the water in the basement of the terminal building. This water has been present for many years and is currently being pumped to the storm water drain. The hydrogeological studies are required to be carried out to establish the source.
- B. The service provider to provide a solution to drilling a new borehole(s) able supply a reservoir with a capacity to store 500 000 liters of water.
- C. The service provider to provide the solution to extract water from the borehole, the water to be pumped to through the treatment plant (Chlorination plant) for further treatment before being pumped up to the reservoir.

Scope of Works:

The scope of the professional services for this project should cover the following but not limited to deliverables:

- The professional service provider is to design, scope, and provide water security solutions.
- Design a reservoir of 500 000 litre of water and the reticulation for the distribution of the water to various users.
- The service provider to provide the solution to extract water from the rain harvesting and route to the storage reservoir.
- The service provider to provide a solution to augment the water supply through the drilling of boreholes within the vicinity of the airport.
- Provision of water treatment that comply with the SANS 241:2015 drinking water standards.
- The Service provider is to provide Hydro Geological studies for underground water at the basement of the Terminal Building.
- The Water is to be re-routed to the Reservoir once the source is determined.
- Geohydrological supervision of borehole surveying.
- Borehole siting
- Yield testing
- Pumps sizing and output confirmation.
- Water quality testing
- Water treatment plan and equipment establishment design.

Water use license application in accordance with Water reticulation and for water use authorization as per DWS requirements in the Eastern Cape

The Professional Service Provider's deliverables are to provide water security solutions, planning and design of water extraction, treatment plant around a well-defined portion of the CDSIA airport.

The service provide shall adhere and abide to all relevant processes, procedures, bi-laws, standards, quality assurance, Health and safety recommendations, environmental recommendations while producing the product as per the client brief. The Bidder shall fully apprise himself of the prevailing conditions at the proposed site, climatic conditions including monsoon pattern, soil conditions, local conditions and site-specific parameters and shall include for all such conditions and contingent measures in the bid, including those which may not have been specifically brought out in the specifications.

This scope of works covers all six (6) stages as outlined in ECSA's "Guideline Scope of Services and Tariff of Fees for persons registered in terms of the engineering profession (Act No.46 of 2000) which includes inception, preliminary design, detailed design, documentation and procurement, contract administration and inspection and close-out. This section covers professional service's requirements for this project. Description of various items of work and deliverables under this scope and nature of work in detail are given hereinafter. The complete work under this scope is referred to as Civil Works.

The project stages are:

- Stage 1: Inception
- Stage 2: Preliminary Design
- Stage 3: Detailed Design
- Stage 4: Procurement
- Stage 5: Contract administration and Construction Inspection
- Stage 6: Close-Out

4.1.1 Inception

- The consultant to discuss design options/details with the client representative.
- The consultant to conduct Environmental Impact Assessment and present Environmental Management Plan to relevant stakeholders to obtain Environmental Authorization.
- The consultant to take into consideration all local municipal bi-laws requirements and submissions during the planning and design proposal.

4.1.2 Preliminary Design Report (PDR)

The consultant shall draft PDR in accordance with ECSA's Scope of services and tariff of fees clause 3.2.2 – Stage 2, PDR to be forwarded to the Client Engineer within 30 calendar days of contract offer for approval. The PDR shall include the following:

- A Clear description of required facilities as defined by the Client.
- A summary of the Site Clearance information.
- Locality of project including a small-scale map showing locality in town.
- Photos of typical or specific site characteristics – topography, access roads, vegetation, wetlands etc.
- Design criteria clearly referenced to existing standards and local municipal bi-laws. Deviations from standards shall be clearly indicated and motivated.
- Recommendations and motivation for further investigations, surveys, and servitudes.
- Cost estimate and comparison of the various design options.
- Life cycle cost where needed to motivate between options and select final design configuration.
- Proposed project programme.
- Proposed form of contract for construction works i.e., NEC3.

4.1.3 Detailed Design Report (DDR)

The consultant shall draft DDR in accordance with ECSA's Scope of services and tariff of fees clause 3.2.3 – Stage 3, DDR to be forwarded to the Client Engineer within 14 calendar days of PDR approval for final design approval. The DDR shall include the following:

- Final project programme.
- Detailed design
- Provide tender drawings including technical details and specifications.
- Prepare detailed estimates for construction costs.
- Submit the necessary design documentation to local and other authorities for approval.
- Provide safety specifications to be addressed by the contractor.

4.1.4 Documentation

The consultant must prepare procurement and construction documentation, confirm, and implement the procurement strategies and procedures for effective and timeous procurement of necessary resources for execution of the project. The following items shall be prepared by the consultant.

- Prepare specifications and preambles for the works.
- Prepare Bill of Quantities (BOQ) for construction tender.
- Check cost estimates and adjust designs and documents, if necessary, to remain within budget.
- Formulate the procurement strategy for contractors or assist the Client's buyer with procurement documentations where needed.
- Review designs, drawings, and schedule for compliance with approved budget.
- Liaise, co-operate and provide necessary information to the client and relevant stakeholders as and when required.
- Assist the client to evaluate tenders and prepare contract documentation for signature when required.

4.1.5 Contract Administration and Inspection

The consultant will manage, administer, and monitor the construction contracts and processes including preparation and coordination of procedures and documentation to facilitate practical completion of the works. **The consultant shall provide level II supervision for stage 5.** The following activities shall be fulfilled by the consultant:

- Attend site handover.
- Issue construction documentation in accordance with the documentation schedule including, in the case of structural engineering, reinforcing bending schedules and detailing, and specifications of connections and structural steel sections.
- Carry out contract administration procedures in terms of the contract.
- Prepare schedules of predicted cash flow.
- Prepare pro-active estimates of proposed variations for client decision-making.
- Attend regular site, technical and progress meetings.
- Inspect the works for conformity to contract documentation as described under Clause 5.1.4.
- Review the outputs of quality assurance procedures and advise the contractor and client on adequacy and need for additional controls, inspections, and testing.
- Adjudicate and resolve financial claims by contractors.
- Assist in the resolution of contractual claims by the contractor.
- Establish and maintain a financial control system.
- Clarify details and descriptions during construction as required.
- Prepare valuations for payment certificates.
- Witness and review of all tests and mock-ups carried out on site.
- Check and approve contractor's drawings and method statements for compliance with contract documents.
- Update and issue drawings register.
- Issue contract instructions as and when required.
- Review and comment on operation and maintenance manuals, guarantee certificates and warranties.
- Inspect the works and issue practical completion and defects lists.
- Arranging for the delivery of all test certificates, including any Certificates of Compliance, statutory and other approvals, and record drawings and operating manuals.

4.1.6 Close-out and Handover

The consultant shall Fulfil and complete the project close-out, including necessary documentation to facilitate effective completion, handover, and operation of the project. The following activities shall be fulfilled by the consultant:

- Inspect and verify the rectification of defects.
- Receive, comment, and approve relevant payment valuations and completion certificates.
- Prepare and/or procure operations and maintenance manuals, guarantees and warranties.
- Prepare and/or procure as-built drawings and documentation.
- Conclude the final accounts where relevant.

4.2 Codes and Standards

All works under this specification, unless specified otherwise, shall conform to the latest revision and/or replacement of the following or any other South African Standard Specifications and Codes of Practice. In case of any aspect of work is not covered specifically by South African Standard Specification any other standard practise as may be specified by the Engineer shall be followed.

- ICAO Volume 1 for Aerodrome Design and Operations latest edition.
- National Environmental Management Act (NEMA)
- Occupational Health and Safety (OHS)
- National Buildings Regulations
- SANS 241-2015
- SANS 2001-CM1
- SANS 10400-B 2012
- SANS 10162-1 2011
- SANS 10155
- SANS 10164-1
- SANS 50197
- SANS 50413
- SANS 1215
- SANS 1504
- SANS 10100
- SANS 10400 – H
- SANS 10161

4.3 Tolerances

Tolerance to be as per the SANSG 1200: Concrete Works.

5 Summary of Required Services:

- Provision of water security solutions, Design, procurement, monitoring and project management as listed on 4.1.5 (Contract Administration and Inspection) and 4.1.5 (Close-Out and Handover) at CDSIA.
- Provide stage 1 to stage 6 professional service for the design of water extraction and water security solutions at CDSIA.
- Develop the project plan and implementation methodology.
- Commissioning of the new equipment
- Construction Monitoring and co-coordinating information.
- Provide security solutions.
- Provide as built drawings accordingly.
- All designs should comply with SANS standards and applicable prescribed standards.
- Bidder to submit the project milestone or Gantt chart indicating key project milestones with all relevant returnable schedules.

Deliverables:

- Specifications and BOQ.

- Project management and delivery co-ordination.
- Design, planning and project management.
- Priced contract documentation.
- Project progress reporting and project close off report, practical completion, and defect list compilation.
- Operations and maintenance manuals, guarantees and warranties.

CONSTRAINTS ON THE IMPLEMENTATION OF THE PROJECT

This project will be implemented in a live, operational environment on the landside precinct of the airport. Work done on or near an active airport is subject to several special requirements and conditions to ensure the safe operation of the airport at all times. Various limitations and requirements are to be taken cognisance of during the preparation of the tender and construction programme.

Working on the Employer's property

Work done on or near an active airport is subject to several special requirements and conditions to ensure the safe operation of the airport at all times. Various limitations and requirements are to be taken cognisance of during the preparation of the tender and construction programme.

This work will be on the Landside area of the airport and the normal operations must be able to continue for the duration of the contract.

The Consultant shall keep records of his people working on the Employer's property, including those of his Sub-consultants, and the Employer's Agent shall have access to these records at any time.

Occupational Health and Safety

ACSA is committed to adhering to the highest level of health and safety.

The Consultant shall at all times comply with the health and safety requirements prescribed by law as they may apply to the services.

The Consultant shall comply with the Health and Safety requirements contained in Part C4.

Project Budget

For the purposes of estimation, in line with the Guideline for services and processes for estimating fees for persons registered in terms of the Engineering Profession Act, published by the Engineering Council of South Africa (2015); the work to be done under this contract can be classified as:

- Order of Magnitude Project Estimate: R 10 000 000.00

Drawing Requirements

All drawings shall bear accepted contract references using a project title block which is accepted by the Employer. Detailed revision blocks and drawing numbers are suffixed accordingly.

All drawings, particularly layout drawings, submitted for acceptance shall be to a scale acceptable to the Employer. All drawings are to be made to scale and fully detailed and dimensioned. All dimensions marked on the drawings are to be considered correct, although measurements by scale may differ therefrom. The material from which each part is to be made shall be indicated.

The drawings include tolerances for manufacture and installation. The tolerances are suitable and of sufficient accuracy to provide safe and trouble-free construction and operation over the life of the component.

All copies of drawings submitted to the Employer are to be provided in the form of 4 prints on white paper with black lines. The drawing size is A3 unless the use of another size is unavoidable. All native electronic format documents are also provided.

All drawings shall be dimensioned in metric units unless the use of another unit is required and/or recommended, e.g. imperial sizes for flange holes, studs, etc. Where applicable, drawings shall show a graphic scale key plan and north arrow. Dates on drawings shall be reflected in the following format: dd/mm/ccyy. Revisions shall be designated R0, R1,

R2, R3, etc., commencing with the first issue. All revisions shall be clearly described in the revision column bearing the revision number.

CONSTRAINTS ON HOW THE CONSULTANTS PROVIDES THE SERVICES

Management meetings

To be able to manage the contract, the Employer and Consultant team will have various meetings, to proactively and jointly manage and minimise adverse risks to the project. The attendees shall have the necessary delegated authority to make decisions in respect of matters discussed at such meetings. Frequency and nature of meetings to be agreed. These shall include:

- Risk Register and Compensation Event meetings, at a frequency not more than two weeks
- Overall contract progress and feedback, at a frequency of between 2 weeks and not less than 1 month

Meetings of a specialist nature may be convened as specified elsewhere in this Scope or if not so specified by persons and at times and locations to suit the Parties, the nature and the progress of the services. Records of these meetings shall be submitted to the Employer's Agent by the person convening the meeting within five days of the meeting.

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the conditions of contract to carry out such actions or instructions.

Consultant's key persons

The Consultant team is required to nominate a senior/principal engineer who will have overall responsibility for this project and other senior personnel responsible for the execution of the project. No change may be made without prior consultation with and approval by the Employer.

The Consultant team is required to submit an organogram showing the key persons and their lines of authority / communication.

Work Plan

The project shall be done firstly in accordance with the Employer's objective as per his appointed NECs Works Information Briefing with detail tasks and deliverables for each of the project stages, i.e. Scoping and Brief Stage, Preliminary Design Stage, Detail Design and Bid Stage, Working Drawing Stage and Construction Stage.

ISO Quality management System

All projects shall be managed in accordance with strict ISO 9001 quality system ensuring quality in design, administration, reports and site administration. Consultants must be accredited with ISO9001 compliance, and each project shall be administrated with respect to quality and technical compliance, in accordance with these strict international Quality Procedures.

Programme and Client feedback

A detailed programme for each project needs to be submitted within 14 days of appointment and updated regularly/monthly.

Detailed consultation with the designated ACSA representative and on-going feedback and reporting during feasibility preliminary design, detailed design and construction stages will be essential in delivering optimal and acceptable solutions which are in line with ACSA specifications and budget allocations. A monthly progress and cost report shall be done from detail design stage onwards till construction ends.

Understanding the Works

The Employer is not responsible for the failure of the Consultant to understand the precise nature of his undertaking under this contract or for any erroneous interpretation concerning the conditions affecting his performance, it being recognized that the Employer provided the Consultant sufficient opportunity to ask the Employer for clarification of the terms and conditions of this contract prior to submission of his tender to provide the services.

Compliance with Laws

The Consultant keeps himself fully informed of and complies with all laws which apply to the Works and/or Services and/or to Providing the Works and/or Services (including laws which apply to persons employed to provide the Services and/or Works). "Laws" includes all national and provincial legislation, statutes ordinances and other laws and regulations and by-laws, orders and decrees of government or other legally constituted public authority and the common law.

Compliance with Codes & Standards

The Services comply with the codes and standards stated in the Scope. To the extent not stated, the Services comply with internationally recognised codes and standards which are accepted by the Employer.

In case of conflict between national, international codes, standards or guidelines and/or the requirements specified in this Scope, and unless otherwise instructed by the Employer, the more onerous one takes precedence; provided always that the Services comply as a minimum and in any event, with applicable law and mandatory South African national codes, standards and guidelines.

Cooperating with and obtaining acceptance of Others

Whenever work being done by Others on the project is dependent on or adjacent or related to the Services, the interface and sequence of such works and the Services should be such that the least interference possible will result to the Consultant and to Others and such sequence is determined by the Employer. Cooperation is required between the Consultant and Others to ensure the completion of the Services and other project works within the programme for the project as a whole.

As may be required from time to time or as per statutory requirements, the Consultant will liaise with and obtain acceptance from statutory authorities and avail themselves for any inspections that would be required.

At the earliest possible date, detailed programmes prepared for all other project works having interfaces with the Services are discussed by the Employer with the Consultant in order that the phasing, duration, use of working areas, attendance work etc. can be drawn into overall programmes for the project works.

Things provided by the Employer

The Employer will issue to the Consultant available information that will assist in the carrying out of the services. This information may include Base plans to indicate existing services, Traffic Impact Assessments and other available information.

The providing of this information does not relieve the Consultant of their professional responsibility to verify information that will be used as a basis for their designs.

Interpretation and terminology

The following abbreviations are used in this Scope:

Abbreviation	Meaning given to the abbreviation
CDSIA	Chief Dawid Stuurman International Airport
ICAO	International Civil Aviation Organisation
ECSA	Engineering Council of South Africa
SANS	South African National Standards
OSH Act	Occupation Health and Safety Act 85 of 1993
BOQ	Bill of Quantities
GCC	General Conditions of Contract for construction works
NEC	New Engineering Contract
RCC	Reinforced Cement Concrete
PDR	Preliminary Design Report
DDR	Detailed Design Report
NEMA	National Environmental Management Act

Part C4: Site Information

- C4.1 Site Information**
- C4.2 ACSA Special Requirements at an Operational Airport**
- C4.3 ACSA Environmental Policy**
- C4.4 Environmental Management System**
- C4.5 ACSA Services and Maintenance Contractors Terms to Commence Work**
- C4.6 Baseline HIRA: ACSA Generic Hazard Assessment**

Part C4: Site Information

C4.1: Site Information

DESCRIPTION OF THE SITE AND ITS SURROUNDINGS

This project seeks to address water security concerns at Chief Dawid Stuurman International Airport. The Nelson Mandela Bay Municipality experienced prolonged drought in the past 10 years, as such the dam levels were deteriorated drastically to a level where they were at a critical level (averaged dam level once was 10%). The projected day zero for the Airport vicinity was 16 June 2023. CDSIA is supplied from the Churchill dam which was sitting at 14,63% as of April 2023, with no record of full capacity to date.

The proposed reservoir and treatment plant area is located at coordinates 33°59'05"S 25°36'31"E. refer to figure 1 below.

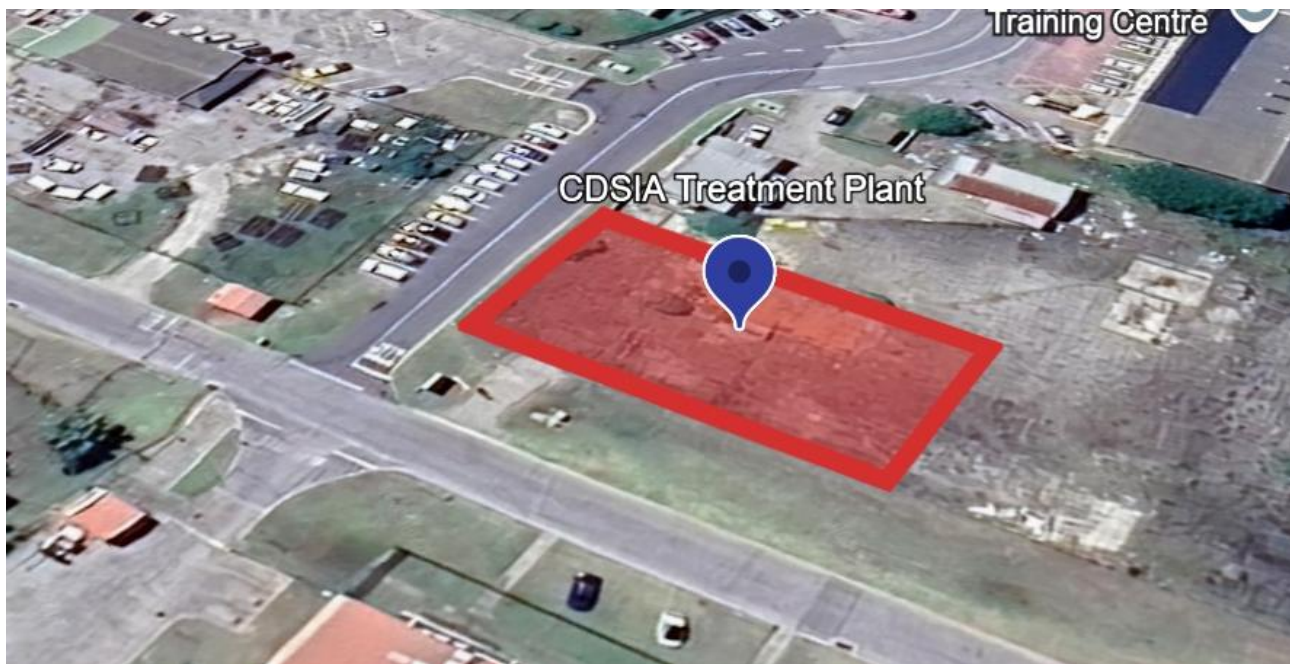


Figure 1: proposed reservoir and treatment plant area.

Existing buildings, structures, plant and machinery on the Site

The Chief Dawid Stuurman International Airport is a live operational airport and there are various existing building and infrastructure that are close to and around the area where work shall be done. It is important that the design takes these into account.

The buildings are located within a high traffic movement area, and also adjacent to the airside precinct, an area which is governed with restricted access, as per ICAO and the NKP Act, and every caution needs to be considered when doing any work site inspections and / or investigations on site. The existing buildings and structures on site (adjacent to airside) include:

- Hangers, admin building and aircrafts
- Runway 08
- The Fire Station and the Airfield Rescue and Fire Fighting vehicles
- Fly schools and General Aviation.

Hidden Services

There are several services buried in and around the sites where the Works will take place, and precaution should be taken while carrying out the works. These services provide critical essential services to the Airside operations and should not be disturbed.

Known services include:

- Buildings in the area
- Electrical cables
- Storm water pipes
- Sewerage pipes
- Potable water main
- Fibre optic cables
- Communication cables
- Airfield Ground Lighting
- The Fuel hydrant system

C4.2: ACSA Special Requirements at an Operational Airport

SPECIAL REQUIREMENTS AT AN OPERATIONAL AIRPORT

Work done on or near an active airport is subject to several special requirements and conditions to ensure the safe operation of the airport at all times.

The work under this contract is to be carried out under operational conditions. Various limitations and requirements are to be taken cognizance of during the preparation of the tender and the construction programme. These limitations will not entitle the contractor to claim for extension of time.

1. Airports Manager

The Airports Manager is at all times responsible for the effective and safe operation of the airport. The Airports Manager or his designated representative will represent the Employer at the airport, and he has full authority to act on behalf of the Employer, as set out in the contract documents.

The Airport manager will issue the necessary application forms to those who apply to the airport management for an airside vehicle permit and/or an Airport Security Permit and will decide, on receipt of the completed forms, whether or not to issue permits.

The Airport Management may at any time withdraw or suspend an Airside vehicle Permit or any Airside Security Permit.

2. Airport Security and Safety

All personnel of the Engineer or Contractor will have to undergo a Security and Safety Awareness Programme before the start of the contract.

The Engineer/Contractor shall ensure that airport security is at all times complied with by his own personnel, all subcontractors and their personnel as well as all suppliers.

Access to the security area for personnel, vehicles and construction plant can only be obtained with permission from the Employer. Permits may be required for personnel and vehicles frequently moving through the security check points and shall at all times be visibly displayed while a person or vehicle is within the security area. Identity Documents must be available and presented on request.

Permits are only valid for a specific area inside the security area and the responsibility rests with the Contractor to control the movement of personnel, plant and vehicles to ensure their compliance with this requirement. A Prime Cost Sum has been provided for the cost of any permits required.

The Contractor will be required to provide permits for each and every material delivery vehicle entering the site, and they are to be escorted by a permit and radio license holder. The Employer may withdraw any or all permits without prior notice in the case of misuse, in which case the Contractor will have no claim against the Employer.

The Contractor shall make specific arrangements with the Employer, through the Engineer, to ensure the expedient delivery of time-dependent materials such as asphalt. If required, the Contractor shall supply additional security personnel, approved by the Airport Manager to assist with security control. If, due to the extra volume of construction traffic that has to pass through security, additional entrance facilities have to be provided, it shall be done in consultation with the Airport Manager and Engineer. These facilities and personnel have to be provided by the Contractor.

3. Responsibilities of Consulting Engineers/Contractor

As a condition of approval of an application for an Airside Vehicle Permit, the Consulting Engineer/Contractor shall ensure that all vehicles and drivers are covered by the Contract Works, Public Liability and SASRIA Special Risks Insurance.

When a vehicle is no longer required for airside use, the Engineer/ Contractor must upon removing it from airside use, remove and return the Airside Vehicle Permit to the airport manager.

The Engineer/Contractor shall immediately report to the airport manager all notifiable accidents and shall ensure that arrangements are in place for the rapid removal and/or repair of its vehicles should they become immobilized on movement areas.

Plant, equipment and personnel of the Engineer/Contractor shall at all times operate and remain 50m clear of all active runways and taxiways (measured from nearest edge of facilities). In Cat 2 conditions the 50m increases to 100m.

4. Accident/Penalties

The Engineer/Contractor shall report to the Airport Manager any accident involving vehicle or plant under their control where the accident has involved injury or damage to another vehicle, aircraft or airport property; or where there is injury to driver(s) or passenger(s) in the vehicle. The prescribed accident report shall be used for this purpose.

Distinction will be made between the following types of accidents:

- (i) Accidents of minor nature not having effect on the operational efficiency of the involved vehicles, building or airport property.
- (ii) Accidents causing property damage affecting the operational efficiency of vehicles or infrastructure or causing injury to persons traveling in vehicles.

Accidents in the first category must be reported to the Airport Manager within 24 hours. Accidents in the second category must be reported to the Airport Manager immediately and the South African Police Services (SAPS) shall be called to the accident site to investigate and report on the causes of the accident. Where possible neither the driver, the passenger or vehicles should leave the accident site before the arrival of the SAPS.

The parties involved must ensure that adequate arrangements are made for the rapid removal or repair of the immobilized vehicles on **operational** areas.

All accidents/incidents, irrespective of the seriousness thereof, affecting aircraft or loading bridges, must be reported immediately to the AM.

The Airport Manager reserves the right to:

- Withdraw any airport security permit.
- Withdraw any airside vehicle permit, if it is considered necessary tow away vehicles when parked incorrectly.

5. Identification and Warning Lights

All construction vehicles and self-propelled plant used inside the security area shall be properly marked to promote easy identification. A register of all identification numbers for all vehicles shall be kept up to date by the Contractor and shall at all times be available for inspection by the Airport Manager or Engineer. Each vehicle or self-propelled plant item, as required by the Engineer, shall be fitted with an approved amber rotating warning light which shall be in continuous operation while the vehicle is moving in the security area. The Contractor will be responsible for all costs involved in this item.

6. Additional Security Measures

- No cameras or the taking of photos will be allowed within the security area without written approval from the Airport Manager. No fire-arms, explosives or any other weapons may be brought into the security area.
- Smoking and the making of fires are prohibited in certain areas of the airport. Open fires may only be made in designated areas after written permission has been obtained from the Airport Manager, who will also supervise such fires. No smoking is allowed in the apron areas.
- No accommodation of personnel will be allowed in the security area of the airport.
- No drawings, sketches, diagrams, information, etc. pertaining to the works, airport, accidents, etc. may be made, reproduced or registered, except when it is necessary for the execution of the contract. No information regarding accidents, airport activities, reports, etc. shall be given to anybody and no press release shall be made, or interview may be given to anybody without the written permission from the Airport Manager.
- Any interference with airport personnel, equipment or aircraft will be considered as an infringement of this clause. The Contractor will be held responsible for any damage, direct or indirect, to any airport equipment, aircraft, etc. caused by his own personnel or those of his subcontractors or suppliers whether on duty or not. The Contractor shall make good all costs necessary to remedy the situation including re-calibration of equipment where necessary. The Contractor shall note that especially navigation equipment is extremely sensitive and may be disturbed by sitting or leaning on it.

- No aircraft may be touched or moved by any member of the construction team. In case of an aircraft accident, no assistance whatsoever may be given by the Contractor unless specifically requested and all staff must stay away from any part of an accident scene for a distance of at least 300m.

If the Consultant is found lacking in any of the security measures or requirements, it will be an enough cause for the termination of all construction activities until the matter has been rectified to the satisfaction of the Airport Manager.

No claim resulting from inadequate security and safety measures will be considered.

7. Compliance with Instructions

If the Contractor does not promptly comply with all instructions of the Airport Manager and Engineer, the Employer has the right to amend the working schedule in aid of safety. The Engineer also retains the right to suspend all works until the Contractor, in the opinion of the Engineer, complies with the requirements.

8. Delays Caused by Airport Management

If delays, leading to an extension of time, are caused by aspects such as airport requirements, a reasonable claim for extension of time may be considered. However, if such delays coincide with delays caused by other circumstances, such as weather conditions, no claim for extension of time caused by requirements of airport management will be considered.

9. General Requirements for Execution of the Work

At the end of each work period, all plant, vehicles, material and obstructions must be removed to a demarcated safe area. The cost of removal of plant and materials and cleaning operations shall be deemed to be included in the relevant work items or in the general items. The Engineer reserves the right to ban any item of plant or equipment which leaks excessive amounts of fuel or oil. In addition, all significant spillages of fuels and oils will be cleared immediately to the satisfaction of the Engineer failing which the Engineer reserves the right to have this work carried out by a third party to the cost of the Contractor.

The Employer retains the right to clean any of the mentioned areas if the Contractor neglects to do so to his satisfaction. In such a case the costs incurred by the Employer will be recovered from the Contractor at a rate of R400,00 per hour or part thereof taken by the sweeping machine of the Employer to do the work. This cost will be deducted from any monies payable to the Contractor.

If night work has to be done only suitable power and lighting units, approved by the Engineer, complying with the requirements of the Occupational Health and Safety Act No. 85 of 1993, SABS 0142-1981 and ICAO Annex 14 regulations shall be used.

10. Times for the Execution of the Works

Most of the work on this contract must be executed minimizing disruptions to airport operations. If, due to airport requirements, certain aspects of the work have to be done during nighttime, the following will apply:

- The Contractor shall supply sufficient lighting facilities to enable him and his subcontractors to perform the work according to the requirements of the specification.
- At the end of the night's work all lights, power plants, etc. must be removed to a safe area indicated by the Engineer and the Airport Manager. Remuneration for the acquisition, transport, erection and maintenance of lighting and power plants shall be included in the items provided and shall be all-inclusive. Power plants that spill fuel or oil will not be allowed on the works.

11. Movement on the Airport, Barriers, Lights and Marks

It is the responsibility of the Contractor to properly control the movement of personnel, vehicles and plant connected to the contract. The Contractor shall erect, remove and maintain all temporary barriers, warning lights and marks as required by the Airport Manager.

These control and limitations to movement of the Contractor will not be paid for separately and sufficient provision for it shall be made in the tendered items. Delays and disruption of the contractor's programme or progress as a result of the above requirements will not constitute reason for a claim of whatever nature.

12. Dust and Pollution Control

The Contractor shall limit dust pollution to the minimum as required by the Airport Manager. During windy conditions, the Engineer may temporarily suspend all work where dust pollution creates unacceptable conditions until such time that conditions return to normal.

In the case of working areas alongside the taxiways it shall be a definite requirement that at all times, weekends included, exposed areas are kept damp and free from dust and loose material which may be sucked into the engines of passing aircraft. The taxiways adjacent to the works shall be swept as required but at least daily.

All costs involved in dust and pollution control shall be borne by the Contractor.

13. Storing of Vehicles, Plant and Materials

It is a requirement that, at the end of each work period, all vehicles and plant are returned to the designated camp area allocated to the Contractor. With the approval of the Project Manager / Engineer, certain equipment may remain on or near the work area if the area is properly demarcated.

If material is temporarily stored outside the designated campsite, stockpiles shall be limited to a height of 1, 0 m above natural ground level.

14. Fires

No open fires whatsoever will be allowed. All necessary precautions must be taken to prevent veld or other unauthorized fires.

In the case of fire, including veld fires, the Contractor must instruct his employees to assist the airport management in extinguishing the fire if requested to do so.

The Contractor shall indemnify the Employer against claims that may arise from fires due to negligence by the Contractor or his operations. If it is required by the Employer to extinguish any fires caused by the Contractor, the cost thereof will be for the Contractor.

In case of a fire caused by air traffic activities, the area involved shall immediately be evacuated by the Contractor to an area beyond a radius of 300 m from the fire.

15. Environmental

The Airports Company South Africa (ACSA) recognizes the impacts airport expansion projects have on the environment during the planning, design and construction phase of new projects and embraces the obligations of corporate environmental responsibility to manage and minimize these impacts as far as possible.

Design consultants are encouraged to explore and implement (where possible) feasible opportunities for minimizing environmental impacts in the form of stormwater, soil and groundwater pollution, resource and raw material utilization, as well as energy and water conservation measures.

C4.3: ACSA Environmental Policy



AIRPORTS COMPANY SOUTH AFRICA SOC LIMITED ENVIRONMENTAL MANAGEMENT SYSTEM POLICY

Airports Company South Africa SOC Limited, as a world-class airport operator acknowledges that airport activities and operations may have diverse impacts on the environment and therefore accepts our stewardship role of responsible care for the environment. Consequently, we are committed to implementing and maintaining an Environmental Management System.

Airports Company South Africa SOC Limited (the group) is committed to:

- Maintain an Environmental Management System based on the ISO 14001: 2004 specifications, and shall conduct regular audits of the Environmental Management System to ensure its adequacy and effectiveness.
- Monitor and measure significant environmental aspects and impacts of airport activities and operations.
- Ensure employees, operators, tenants, concessionaires, contractors and supply chain that fall within the scope of the Environmental Management System are aware of the environmental aspects and impacts associated with their activities and operations and of the requirements of the Environmental Management System.
- Report its environmental performance indicators in the integrated annual report.
- Continual improvement of our environmental performance.
- Prevent environmental pollution resulting from airport activities and operations
- Ensure storm water runoff leaving the airport remains unpolluted, and groundwater remains free from pollution resulting from airport operations.
- Actively seek opportunities to reduce overall aircraft noise footprint of airports.
- Monitor aircraft noise at Cape Town, King Shaka and O R Tambo International Airports.
- Actively seek out opportunities to reduce its carbon footprint, as well as that of the aviation industry.
- Monitor air quality at Cape Town, King Shaka and O R Tambo International Airports.
- Actively seek opportunities to reduce water consumption.
- Ensuring all waste generated is minimised, or otherwise reduced, re-used or recycled.
- Conserve biodiversity where feasible on its property.
- Collaborating with and engage surrounding communities to seek opportunities to minimise the environmental impact of airport operations on the environment.
- Comply with relevant environmental legislation, associated regulations and other applicable requirements.

The scope of the Environmental Management System extends to all Airports Company South Africa SOC Limited buildings, infrastructure and geographical areas within the group operates its aeronautical business. Where the group does not directly control the impacts at Corporate Office or Business Units, we shall work in partnership with operators, contractors, tenants, concessionaires and supply chain to improve performance. The group's managers and staff acknowledge that the implementation of this Environmental Policy is their responsibility and are committed to it. This policy shall be reviewed by management every three (3) years and made available to any interested parties on request.

Signed:

Date: 04th May 2015
Issue No: 8

B. A. Maseko

Chief Executive Officer: Airports Company South Africa SOC Limited

C4.4: Environmental Management System

1. Scope

This procedure is intended for all ACSA Service and Maintenance Contractors whose activities, products and services may produce a negative impact on the environment at ACSA Operated Airports.

2. Objective

To incorporate all service and maintenance contractors into ACSA's Environmental Management System (EMS), to align activities, products and services with the EMS and ACSA's Environmental Policy.

3. Definitions and Abbreviations

ACSA

Airports Company South Africa SOC Ltd

ACSA AEMR

ACSA Airport Environmental Management Representative

ARFFS

Aerodrome Rescue and Fire Fighting Services

HCS

Handling & Storage of Hazardous Chemical Substances

SHE

Safety, Health and Environment

Service & Maintenance Contractor

An ACSA appointed service or maintenance provider assigned to carry out repairs, upgrades, installations and on-going maintenance of airport infrastructure. Service contractors (e.g. cleansing, landscaping, pest removal, hygiene, sanitation) or maintenance contractors (e.g. electricians, plumbers, mechanics) may have long-term contracts or provide services on an ad-hoc basis.

4. Procedure General

4.1 All ACSA departments shall contact the airport's ACSA AEMR prior to appointing a service or maintenance contractor on the airport.

4.1.1 All new or renewed service and maintenance contractors shall be screened for significant environmental aspects by the airport's ACSA AEMR. Refer [ACSA EMS Department Determining Significant Environmental Aspects Procedure - T010 001M](#). Any new significant environmental aspects shall be documented in the aspects register, and control measures implemented accordingly.

4.2 The ACSA AEMR shall decide whether or not the contractor requires formal environmental induction training based on Point 4.1.1 above. If training is required, it shall be conducted by the relevant contractor's responsible person/supervisor prior to commencing work on the airport.

4.3 The ACSA Department responsible for appointing service or maintenance contractors shall append the [ACSA Service and Maintenance Contractors Environmental Terms and Conditions to Commence Work - EMS 048](#) permit to tender documents, contract documents, service level agreements or bill/schedule of quantities specifications. This will allow contractors to accommodate any unforeseen costs, to minimise environmental risk, or ensure compliance. Prior to commencement of works, contractors shall sign this permit, a copy of which shall be kept by both the responsible ACSA Department and the contractor.

4.4 The contractor's representative shall ensure the conditions set out in the [ACSA Service and Maintenance Contractors Environmental Terms and Conditions to Commence Work - EMS 048](#), along with [ACSA's Environmental Management System Policy](#) are communicated to, comprehended and implemented by all contractor staff.

4.5 All ACSA Departments making use of contractors shall keep an up-to-date register of contractors on site. This register shall include the name of the contracting company, the site supervisor/manager and his/her contact number, the nature of works and work area, the date of commencement and expected completion of the

work, and whether the [ACSA Service and Maintenance Contractors Environmental Terms and Conditions to Commence Work - EMS 048](#) permit has been duly signed. In addition, contractor tender documents, contract documents, service level agreements or bill/schedule of quantities specifications shall be available for audit/inspection by the ACSA AEMR.

- 4.6 Contractor activities shall be audited at the discretion of the ACSA AEMR depending on the nature of risks and environmental aspect significance.

5. Roles and Responsibilities

Issues	Responsible Person	Alternate
Has overall responsibility for adherence to this Operational Procedure	ACSA General Manager or Airport Manager	Relevant designated person shall assume responsibility
Has responsibility for adherence and implementation of this Operational Procedure	ACSA Safety Manager/ ACSA ARFFS Manager/ ACSA HOD: SHE/ ACSA AEMR	Relevant designated person shall assume responsibility

6. Verification

This procedure shall be verified in accordance with [ACSA Verification Policy, Procedure and Working Instruction - Z001 002M](#).

7. Non Conformance

Any deviation from this procedure shall be identified and registered with corrective and preventative measures for continual improvement in accordance with the [ACSA Non Conformance Policy, Procedure and Working Instruction - Z001 001M](#).

8. References

ACSA Non-Conformance Policy, Procedure and Working Instruction - Z001 001M

ACSA Verification Policy, Procedure and Working Instruction - Z001 002M

ACSA Change Control Policy, Procedure and Working Instruction - Z001 003M

ACSA Document Control Procedure - Z001 006M

ACSA Record Keeping Requirements Procedure - Z001 008M

ACSA Airfield Standard Operating Procedure Manual

9. Change Control

This procedure shall only be changed with the authorisation of the ACSA Group Executive: Airport Operations and in accordance with [ACSA Change Control Policy, Procedure and Working Instruction - Z001 003M](#).

10. Records

Record Name	Storage Location	Record Number	Responsible Person	Retention Time
ACSA Service & Maintenance Contractors Environmental Terms and Conditions to Commence Work	ACSA Safety Department	EMS 048	ACSA AEMR	Five (5) years
ACSA Service and Maintenance Contractors Procedure	ACSA Master Document Control Office	T050 009M	ACSA Senior Administrator: Policies and Procedures	Five (5) years

11. Endorsement (See ACSA Master File in Document Control Office, Corporate)

Activity	Name	Signature	Date
Approval	ACSA Group Specialist: Aviation Compliance and Policy Kenton Sim		28/03/2013
Authorisation	ACSA Group Executive: Aviation Services John Neville		28/03/2013
Quality Assurance: Policy and Procedure	ACSA Corporate Specialist: Aviation Services and Technical Policy Michelle Erasmus		03/04/2013

C4.5: ACSA Service & Maintenance Contractors Environmental Terms and Conditions to Commence Work - EMS 048

The following Environmental Terms and Conditions shall be strictly adhered to by all contractors when conducting works for ACSA. ACSA shall audit contractor activities, products and services on an ad hoc basis to ensure compliance to these environmental conditions. Any pollution clean-up costs shall be borne by the contractor.

ISSUE	REQUIREMENT
Environmental Policy	ACSA's Environmental Policy shall be communicated, comprehended and implemented by all ACSA appointed contractor staff (see attached Environmental Policy).
Stormwater, Soil and Groundwater Pollution	- No solid or liquid material may be permitted to contaminate or potentially contaminate stormwater, soil or groundwater resources. - Any pollution that risks contamination of these resources must be cleaned-up immediately. Spills must be reported to ACSA immediately. Contractors shall supply their own suitable clean-up materials where required. - Washing, maintenance and refuelling of equipment shall only be allowed in designated service areas on ACSA property. It is the contractor's responsibility to determine the location of these areas. - No leaking equipment or vehicles shall be permitted on the airport.
Air Pollution	- Dust: Dust resulting from work activities that could cause a nuisance to employees or the public shall be kept to a minimum. - Odours and emissions: All practical measures shall be taken to reduce unpleasant odours and emissions generated from work related activities. - Fires: No open fires shall be permitted on site.
Noise Pollution	- All reasonable measures shall be taken to minimise noise generated on site as a result of work operations. - The Contractor shall comply with the applicable regulations with regard to noise.
Waste Management	- Waste shall be separated as general or hazardous waste. - General and hazardous waste shall be disposed of appropriately at a permitted landfill site should recycling or re-use of waste is not feasible. - Under no circumstances shall solid or liquid waste be dumped, buried or burnt. - Contractors shall maintain a tidy, litter free environment at all times in their work area. - Contractors must keep on file: - The name of the contracting waste company - Waste disposal site used - Monthly reports on quantities – separated into general, hazardous and recycled - Maintained file of all Waste Manifest Documents and Certificates of Safe Disposal - Copy of waste permit for disposal site This information must be available during audits and inspections.
Handling & Storage of Hazardous Chemical Substances (HCS)	- All HCS shall be clearly labelled, stored and handled in accordance to Materials Safety Data Sheets. - Materials Safety Data Sheets shall be stored with all HCS. - All spillages of HCS must be cleaned-up immediately and disposed of as hazardous waste. (HCS spillages must be reported to ACSA immediately). - All contractors shall be adequately informed with regards to the handling and storage of hazardous substances. - Contractors shall comply with all relevant national, regional and local legislation with regard to the transport, storage, use and disposal of hazardous substances.
Water and Energy Consumption	ACSA promotes the conservation of water and energy resources. The contractor shall identify and manage those work activities that may result in water and energy wastage.
Training & Awareness	The conditions outlined in this permit shall be communicated to all contractors and their employees prior to commencing works at the airport.

Penalties

Penalties shall be imposed by ACSA on Contractors who are found to be infringing these requirements and/or legislation. The Contractor shall be advised in writing of the nature of the infringement and the amount of the penalty. The Contractor shall take the necessary steps (e.g. training/remediation) to prevent a recurrence of the infringement and shall advise ACSA accordingly.

The Contractor is also advised that the imposition of penalties does not replace any legal proceedings, the Council, authorities, landowners and/or members of the public may institute against the Contractor.

Penalties shall be between R200 and R20 000, depending upon the severity of the infringement. The decision on how much to impose will be made by ACSA's Airport Environmental Management Representative in consultation with the Airport Manager or his/her designate and will be final. In addition to the penalty, the Contractor shall be required to make good any damage caused as a result of the infringement at his/her own expense.

I, _____ (name & surname) of _____ (company)

agree to the above conditions and acknowledge ACSA's right to impose penalties should I or any of my employees or sub-contractors fail to comply with these conditions.

Signed: _____ on this date: _____ (dd/mm/yyyy)

at: _____ (airport name).

C4.6: Baseline HIRA: ACSA Generic Hazards Assessment

Baseline Risk Assessment	
Project Name:	PROVISION OF WATER EXTRACTION, HARVESTING, WATER DISTRIBUTION, TREATMENT AND STORAGE DESIGN AT CHIEF DAWID STUURMAN INTERNATIONAL AIRPORT
Document Number: HIRA 1	Revision Number: 001

Risk Severity Definition	Description: Consequence (can lead to)...	Examples of what to look out for...
Category A Catastrophic	One or more multiple deaths and complete loss or destruction of equipment	A major accident
Category B Hazardous	Serious injuries or major damage to equipment	Large reduction in safety margins, physical distress or workload such that the operators cannot be relied upon to perform their tasks accurately or completely
Category C Major	Minor injuries or minor equipment damage	A significant reduction in safety margins, a reduction in the ability of the operators to cope with adverse operating conditions as a result of conditions impairing their efficiency
Category D Minor	Incidents	Operating limitations are breached. Procedures are not used correctly
Category E Negligible	Negligible or Inconvenience	Few consequences. No safety consequences. Nuisance

Likelihood Probability	Description	Examples of what to look out for...
Category 1	Extremely Improbable (Rare)	Almost inconceivable that the event shall occur
Category 2	Improbable (Seldom)	Very unlikely that the event shall occur. It is not known that it has ever occurred before
Category 3	Remote (Unlikely)	Unlikely but could possibly occur. Has occurred rarely.
Category 4	Occasional	Likely to occur sometimes. Has occurred infrequently.
Category 5	Frequent	Likely to occur many times or regularly. Has occurred frequently or regularly

		Catas-trophic	Hazardous	Major	Minor	Negligible
		A	B	C	D	E
Frequent	5	5A	5B	5C	5D	5E
Occasional	4	4A	4B	4C	4D	4E
Remote	3	3A	3B	3C	3D	3E
Improbable	2	2A	2B	2C	2D	2E
Extremely Improbable	1	1A	1B	1C	1D	1E

Generic Hazard	Specific component of Hazard	Hazard related consequence	Existing defenses to control risk	Safety Risk Index
Site establishment	Delivering of containers and materials; increased vehicle movements and location of services	Operational disruptions, incidents and service disruptions	Site plan location requires prior approval, services to be identified by ACSA representatives and drivers to be competent and vigilant of other road users. Vehicle inspections are to be conducted daily	2D
Site Access	Access is to be controlled and movement of vehicles and staff are to be monitored to reduce impact on operations	Injuries to Airport users, traffic build up, operational delays, vehicle incidents	Site is to be access controlled. All visitors to site are to report to the site office. Entrance to site camp is to be kept clean, swept after truck deliveries to minimize impact to operations.	2D
Persons on airside	Accidents and injuries	Injury to persons/Fatality	All staff wishing to work on the Airside are to go for Airside induction training. These staff members are to have valid Permits with them at all times. Personal protective equipment required for Airside includes but is not limited to high visibility jackets (as per the procedure, hearing protection, safety shoes & hard hats (if required). An airside safety plan must be submitted before commencement of work.	3A
Vehicles on airside	Accidents and injuries	Damage to aircraft/vehicles/property/persons	All vehicles operating on the Airside are to be fitted with a strobe light, appropriate signage in the form of a prefix, have the necessary vehicle permit in place, to be fitted with a fire extinguisher and are to be serviceable. Vehicles are to be checked by Airside Safety prior to be granted Airside access	4A

Driving on airside	Incidents	Damage to aircraft/ vehicles/property / persons	Airside induction is required for all persons entering the Airside. For persons wishing to drive on the Airside Service Road an AVOP 2 permit is required. Where work is to be conducted on the Airfield, then contractors are required to be under escorts or have undergone Radio License training and be in the possession of an AVOP 3 permit The speed limit on the Apron Service Roads is 30km/h, 15km/h at the back of stand and 60km/h on the Perimeter Road. During period of Low Visibility (LVP) will be affected and no vehicular movements are allowed on the Airfield. Low visibility procedures will be in place	4A
Driving on runways and taxiways without permission	Incursion (include definition)	Collision with aircraft/property damage or fatality/ies	Runway and taxiway markings are indicated as per ICAO Annex 14. Permission is required from Air Traffic Control when crossing runways and taxiways. Signage indicating movement areas are painted on the ground or by means of illuminated signage boxes. Only persons in possession of a valid Airside Vehicle Operators Permit with the necessary radio license (Partac training) will be permitted to drive in restricted areas. Vehicles under escort must follow at reasonable distance.	3A

Noise	Health Risks	Noise induced hearing loss	Baseline and annual audiograms are to be conducted. Contractors are to implement a hearing conservation program and issue staff with hearing protection and provide the necessary training in this regard. Contractors to identify noisy operations in passenger areas and are to conduct noise generating operations at off peak times were possible or if unavoidable with ACSA's Project Leaders written permission.	3B
Jet blast	Potential injuries and property	Damage to vehicles/property /persons	Signage warning against jetblast is installed at high risk areas. Risks associated with jetblast are covered during Airside Induction Training. Caution to be taken around aircraft when the anti-collision lights are activated in the Apron bays. 75 meter clearance behind aircraft to be observed to prevent jetblast. Contractors to be aware of aircraft movements	4C
Perimeter fence breach	Security risk	National Key Point Violation	Access and egress points are strictly enforced. Contractors are only to use the entry points as provided by the ACSA Project Leader. No materials are to be stored within 3meter of the perimeter fence.	3B
Crane operations	Height of crane	Flight path obstruction/collision with aircraft	30 meter height restriction procedure – refer to Airfield Operation Department for further information	2A
Weather	Adverse weather conditions	Damage to aircraft/vehicles/equipment	Weather warnings are issued by the Airside Safety Department as and when required. All equipment on the Airside is to be secured	4A
Construction works	Foreign Object Debris (FOD)	Ingestion into aircraft engine	Airside induction is required for all staff working on the Airside, FOD bins are to be used for any FOD found lying on the ground. All waste to be secured to prevent it from becoming airborne (refer to Environmental Terms and Conditions)	4B

Construction works	Working at Height	Injury /fatality	Fall protection plan to be devised by the contractors in line with the Construction Regulations 2014. Rescue plans are to be included	3A
Construction works	Storage of hazardous chemicals substances	Contamination/fire/ injury to persons/ environmental impact	ACSA's Environmental terms and conditions are to be adhered to. All relevant legislation and bylaws are to be adhered to. All necessary permits are to be applied for by the contractor such as transport permits, possession permits and flammable certificates. ACSA Environment and Fire and Rescue to be notified where a spill occurs.	4B
Construction works	Waste	Attracts rodents and birds which leads to bird strikes and adds to FOD	Waste management to be implemented in line with ACSA's Environmental Terms and Conditions	4B
Construction works	Spillages (fuels/oils/hydraulics/chemicals/ human waste)	Contamination/Pollution/injury to persons/adverse health effects	ACSA's Environmental terms and conditions and applicable legislative controls are to be adhered to. ACSA Environment and Fire and Rescue to be notified where a spill occurs	4B
Construction works	Dust	Damage to aircraft//injury to persons/adverse health effects/	Dust suppression measures are to be implemented and PPE used where required	4A
Construction works/ Trenching	Damage to underground services. Interruption of critical services	Electrocution, loss of critical services, damage to property, major injuries, aircraft diversions	Consult as-built plans. Scan area before trenching. Trenching to be done under competent supervision.	4A

Delivery of materials	Falling materials or stones or sand	Vehicle/pedestrian accidents	Materials are to be delivered within specified time frames, flagman to be utilized during deliveries, load limitations to be observed, netting is to be used, contractors to clean road after deliveries	4E
Lack of signage – warning signs	Injuries and accidents	Injuries and accidents	Contractors to install sufficient demarcations around construction sites along with the necessary warning signs and beacon lights (refer to Construction Regulations and Traffic Act) No signs are to be removed without prior permission and notification. Temporary way finding signage is required if signage has been disturbed	2D
Road crossing Central Boulevard	Not using the tunnel for crossing	Vehicle and pedestrian accidents	Contractor staff are to cross the Boulevard via the North or South tunnels	4B
Waste management	Environmental impact	Illegal dumping	Temporary laydown areas to be identified and no illegal dumping is permitted.	3C
Trolleys	Damaging trolleys through misuse	Injuries and property damage	Contractors to provide their own trolleys. ACSA's trolleys are for passenger use only	5D
Golf carts	Misuse of golf carts	Injuries and property damage	Contractor staff to be aware of golf cart movements on the Landside. Golf cart use for airport users only and not for contractor use for transporting materials. Golf cart operate in predetermined routes – contractors to be aware thereof	3D
Fire equipment	Use and abuse of fire equipment	Injuries and property damage	Fire equipment is only to be used during emergencies. Contractors to provide their own fire equipment. No materials to be stored in ACSA fire cabinets. Emergency exits are to be kept clear at all times	2B

Unattended bags	Security risk	Injuries/fatality to Airport users/stakeholders/ACSA employees. Bomb threat-damage to property, vehicle and or Operational disruptions	Contractors are not permitted to leave bags unattended as they will be removed and will be handed to SAPS	5C
Speed limits	Car accidents	Injuries and vehicle damage	Speed limits on the Central Boulevard and Elevated Road are 40km/h, exiting the road networks is 50km/h, Tower Road is 50km/h and Freight Road is 50km/h. Speed humps are installed along Tower Road and Freight Road to reduce speeding	3C
Deliveries	Elevated Road	Disrupt traffic flow and passenger movements	No trucks allowed, deliveries to be done via North or South Delivery Yards, delivery notes are required, and delivery times are to be specified.	2C
Overhead works	Falling items	Injuries, vehicles, property damage	Fall protection plan required as per the Construction Regulations 2014.	5C
General housekeeping	Damage to escalators	Injuries, property damages	Escalators are not be used to transport heavy items in the Parkade.	4C