



AIRPORTS COMPANY
SOUTH AFRICA

NEC3 Term Service

Short Contract (TSSC3)

A contract between **Airports Company South Africa SOC Limited**
Reg. No 1993/004149/30 VAT no 4930138393

and

for **The appointment of a maintenance contractor to repair, crack sealing and Asphalt Patching works on runway and taxiways at Kimberley Airport for 1 month period**

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AIRPORTS COMPANY SOUTH AFRICA SOC LIMITED
PROJECT / CONTRACT TITLE

CONTRACT NUMBER _____

Documentation prepared by:

C1 Agreements & Contract Data

C1.1 Contractor's Offer and Employer's Acceptance

The *Contractor* is:

Name:

Address:
.....

Telephone:

Email:

The percentage for overheads and profit added to the Defined Cost for people is:%

The percentage for overheads and profit added to the other Defined Cost is:%

The *Contractor* offer to Provide the Service in accordance with the *conditions of contract* attached hereto, for an amount to be determined in accordance with the *conditions of contract*.

The offered total of the Prices for part of the *service* in Part 1 of the Pricing Data is:
.....

Signed on behalf of the *Contractor*

Name:

Position:

Duly authorised (Y/N):

Signature: Date:

The *Employer* accepts the *Contractor's* above Offer to Provide the Service:

Signed on behalf of the *Employer*

Name:

Position:

Duly authorised (Y/N):

Signature: Date:

C1.2 Contract Data**Data provided by the *Employer***

Completion of the data in full is essential to create a complete contract.

Clause	Statement	Data
General		
10.1	The <i>Employer</i> is (Name):	Airports Company South Africa SOC Limited (ACSA), Registration No 1993/004149/30, VAT no 4930138393, a juristic person incorporated in terms of the company laws of the Republic of South Africa
	Address	Airports Company South Africa, Western Precinct Aviation Park O.R. Tambo International Airport Kempton Park Johannesburg 1632
	Tel No.	011 723 1400
	Fax No.	[•]
	E-mail address	[•]
14.5	If the <i>Employer</i> appoints an <i>Employer's Agent</i> , the <i>Employer's Agent</i> is:	
	Name	TBC
	Address	Kimberley Airport ACSA Administration Office Comp Patterson Diskobolos Kimberley 8300
	Tel No.	+27 53 830 7100
	Fax No.	[•]
	E-mail address	
	The authority of the <i>Employer's Agent</i> is	[•]
11.2(5)	The <i>service</i> is	The appointment of a maintenance contractor to repair, crack sealing and Asphalt Patching works on runway and taxiways at Kimberley Airport for 1 month period
11.2(6)	The Service Information is in	Part 3 of this contract.
30.1	The <i>starting date</i> is.	To be decided after Award

30.1	The <i>service period</i> is.	1 Month after the Starting Date																								
13.2	The <i>period for reply</i> is	5 working days																								
50.1	The <i>assessment day</i> is the	On the 5th day of each successive month																								
51.2	The interest rate on late payment is	The prime lending rate of Nedbank Bank, as determined from time to time.																								
80.1	The <i>Contractor</i> is not liable to the <i>Employer</i> for loss of or damage to the <i>Employer's</i> property in excess of	Refer to Part C1.4																								
82.1	The <i>Employer</i> provides this insurance	Refer to Part C1.4																								
82.1	The minimum amount of cover for the first insurance stated in the Insurance Table is:	Refer to Part C1.4																								
82.1	The minimum amount of cover for the third insurance stated in the Insurance Table is:	Refer to Part C1.4																								
82.1	The minimum amount of cover for the fourth insurance stated in the Insurance Table is:	Refer to Part C1.4																								
	Does the United Kingdom Housing Grants, Construction and Regeneration Act (1996) apply?	No																								
93.1	The <i>Adjudicator</i> is (Name)	The person appointed jointly by the parties from the list of adjudicators contained below																								
	<table border="1"> <thead> <tr> <th>Name</th> <th>Location</th> <th>Contact details (phone & e mail)</th> </tr> </thead> <tbody> <tr> <td>Adv. Ghandi Badela</td> <td>Gauteng</td> <td>+27 11 282 3700 ghandi@badela.co.za</td> </tr> <tr> <td>Mr. Errol Tate Pr. Eng.</td> <td>Durban</td> <td>+27 11 262 4001 Errol.tate@mweb.co.za</td> </tr> <tr> <td>Adv. Saleem Ebrahim</td> <td>Gauteng</td> <td>+27 11 535-1800 salimebrahim@mweb.co.za</td> </tr> <tr> <td>Mr. Sebe Msutwana Pr. Eng.</td> <td>Gauteng</td> <td>+27 11 442 8555 sebe@civilprojects.co.za</td> </tr> <tr> <td>Mr. Sam Amod</td> <td>Gauteng</td> <td>sam@samamod.com</td> </tr> <tr> <td>Adv. Sias Ryneke SC</td> <td>Gauteng</td> <td>083 653 2281 ryneke@duma.nokwe.co.za</td> </tr> <tr> <td>Mr. Emeka Ogbugo (Quantity Surveyor)</td> <td>Pretoria</td> <td>+27 12 349 2027 emeka@gosiame.co.za</td> </tr> </tbody> </table>		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 ryneke@duma.nokwe.co.za	Mr. Emeka Ogbugo (Quantity Surveyor)	Pretoria	+27 12 349 2027 emeka@gosiame.co.za
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93.2(2)	The <i>Adjudicator nominating body</i> is:	The current Chairman of Johannesburg Advocate's Bar Council																								
93.4	The <i>tribunal</i> is:	Arbitration.																								
	The <i>arbitration procedure</i> is	The latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.																								

The place where arbitration is to be held is **Johannesburg, South Africa**

The person or organisation who will choose an arbitrator **The Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.**

- if the Parties cannot agree a choice or
- if the arbitration procedure does not state who selects an arbitrator, is

The conditions of contract are the NEC3 Term Service Short Contract (April 2013) and the following additional conditions

AMENDMENTS TO THE CORE CLAUSES

Z1 Interpretation of the law

Z1.1 Add to core clause 12.3: Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, 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.

Z2 Add to core clause 20.1:

Z2.1 Furthermore, the *Contractor* warrants that the results of the Service, when complete, shall be fit for the intended purpose.

ADDITIONAL Z CLAUSES

Z3. Cession, delegation and assignment

Z3.1. The *Contractor* 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. This clause shall be binding on the liquidator/business rescue practitioner /trustee (whether provisional or not) of the *Contractor*.

Z3.2. The *Employer* may, on written notice to the *Contractor*, cede and delegate its rights and obligations under this contract to any person or entity.

Z4. Ethics

Z4.1. The *Contractor* undertakes:

Z4.1.1. not to give 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;

Z4.1.2. 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.

Z4.2. The *Contractor's* breach of this clause constitutes grounds for terminating the *Contractor's* obligation to Provide the Services or taking any other action as appropriate against the *Contractor* (including civil or criminal action). However, lawful inducements and rewards shall not constitute grounds for termination.

Z4.3. If the *Contractor* 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 91.2. the amount due on termination is as per clause 92.1

Z5. Confidentiality

- Z5.1.** All information obtained in terms of this contract or arising from the implementation of this contract shall be treated as confidential by the *Contractor* 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 *Employer*, which consent shall not be unreasonably withheld.
- Z5.2.** If the *Contractor* is uncertain about whether any such information is confidential, it is to be regarded as such until otherwise notified by the *Employer*.
- Z5.3.** This undertaking shall not apply to –
- Z5.3.1.** Information disclosed to the employees of the *Contractor* for the purposes of the implementation of this agreement. The *Contractor* 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;
- Z5.3.2.** Information which the *Contractor* is required by law to disclose, provided that the *Contractor* notifies the *Employer* prior to disclosure so as to enable the *Employer* to take the appropriate action to protect such information. The *Contractor* 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;
- Z5.3.3.** Information which at the time of disclosure or thereafter, without default on the part of the *Contractor*, enters the public domain or to information which was already in the possession of the *Contractor* at the time of disclosure (evidenced by written records in existence at that time);
- Z5.4.** The taking of images (whether photographs, video footage or otherwise) of the *Services* or any portion thereof, in the course of Providing the *Services* and after Task Completion Date, requires the prior written consent of the *Employer*. All rights in and to all such images vests exclusively in the *Employer*.
- Z5.5.** The *Contractor* ensures that all his Subcontractors abide by the undertakings in this clause.

Z6. Employer's Step-in rights

- Z6.1.** If the *Contractor* 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 *Employer*, the *Employer*, without prejudice to its other rights, powers and remedies under the contract, may remedy the default either itself or procure a third party (including any subcontractor or supplier of the *Contractor*) to do so on its behalf. The reasonable costs of such remedial works shall be borne by the *Contractor*.
- Z6.2.** The *Contractor* co-operates with the *Employer* and 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 *Contractor* under the contract or otherwise for and/or in connection with the *works*) and generally does all things required by the *Employer* to achieve this end.

Z7. Liens and Encumbrances

- Z7.1.** The *Contractor* keeps the Equipment used to Provide the *Services* free of all liens and other encumbrances at all times. The *Contractor*, vis-a-vis the *Employer*, waives all and any liens which he may from time to time have, or become entitled to over such Equipment and any part thereof and

procures that his Subcontractors similarly, vis-a-vis the *Employer*, waive all liens they may have or become entitled to over such Equipment from time to time

Z8. Intellectual Property

- Z8.1.** Intellectual Property (“IP”) rights means all rights in and to any patent, design, copyright, trade mark, trade name, trade secret or other intellectual or industrial property right relating to the Service.
- Z8.2.** IP rights remain vested in the originator and shall not be used for any reason whatsoever other than carrying out the *services*.
- Z8.3.** The written approval of the *Contractor* is to be obtained before the *Contractor’s* IP is made available to any third party which approval will not be unreasonably withheld or delayed. Prior to making any *Contractor’s* IP available to any third party the *Employer* shall obtain a written confidentiality undertaking from any such third party on terms no less onerous than the terms the *Employer* would use to protect its IP.
- Z8.4.** The *Contractor* 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:
- Z8.5.** the *Contractor’s* design, manufacture, or execution of the Services;
- Z8.6.** the use of the *Contractor’s* Equipment, or
- Z8.7.** the proper use of the Services.

Annexure A: The *Employer's* Panel of Adjudicators

The following persons listed in alphabetical order of their surname have indicated their willingness to be included in the *Employer's* Panel of Adjudicators. Their CV's may be obtained by using the contact details provided.

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
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Information about the Panel and appointment of the selected *Adjudicator* is available from [●]

C1.3 Contract Data

Data provided by the Contractor (the Contractor's Offer)

The tendering contractor is advised to read both the NEC3 Term Service Short Contract (April 2013) and the relevant parts of its Guidance Notes (TSSC3-GN) in order to understand the implications of this Data which the tenderer is required to complete. An example of the completed Data is provided on page 22 of the TSSC3 Guidance Notes.

Completion of the data in full is essential to create a complete contract.

10.1	The <i>Contractor</i> is (Name):	
	Address	
	Tel No.	
	Fax No.	
	E-mail address	

63.2	The percentage for overheads and profit added to the Defined Cost for people is%
63.2	The percentage for overheads and profit added to other Defined Cost is%

11.2(4)	The Price List is in	The document called 'Pricing Data' in Part C1 of this contract.
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11.2(4)	The offered total of the Prices for part of the <i>service</i> in Part 1 of the Price List is [Enter the total of the Prices from the Price List]:	R..... excluding VAT [in words] excluding VAT
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C1.4 Contract Data

ACSA Insurance Schedule

INSURANCE CLAUSE FOR OPEX PROJECTS AND NON-CONSTRUCTION CAPEX PROJECTS ON THE LANDSIDE

The successful bidder must source the following insurance cover, which is the deductible in the ACSA insurance cover:

- *Aviation liability insurance cover for an indemnity limit not less than R100 000 (one hundred thousand rands).*
- *Submit proof of insurance to ACSA before the work starts, and annually for the duration of the project.*

INSURANCE CLAUSE FOR OPEX PROJECTS AND NON-CONSTRUCTION CAPEX PROJECTS ON THE AIRSIDE

The successful bidder must source the following insurance cover, which is the deductible in the ACSA insurance cover:

- *Aviation liability insurance cover for an indemnity limit not less than R300 000 (three hundred thousand rands).*
- *Submit proof of insurance to ACSA before the work starts, and annually for the duration of the project.*

Where the project covers **both landside and airside**, only the airside clause will apply.

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

C2 Pricing Data

C2.1 Pricing assumptions

For Pricing Schedule, the following words shall have the meanings assigned to them:

- Unit:** The unit of measurement for each item of work as defined in the COLTO Standard Specification for Road and Bridge Works for State Authorities, 1998 edition.
- Quantity:** The number of units of work for each item.
- Rate:** The payment per unit of work for which the Service Provider tenders to do the work.
- Amount:** The product of the quantity and the rate tendered for an item.
- Lump Sum:** An amount tendered for an item, the extent of which is described in the Pricing Schedule, the Scope of Work or elsewhere, but of which the quantity of work is not measured in units.
- a) Measurement and payment shall be in accordance with COLTO Standard Specification for Road and Bridge Works for State Authorities (1998 edition) as amended in the Scope of Works.
 - b) All quantities stated in the Pricing Schedule are approximate and do not necessarily represent the actual quantities of work to be performed.
 - c) The rates and prices entered in the Pricing Schedule shall be fully inclusive of labour, materials, tools, transport, supervision, overheads, profit, risks, obligations and all other costs for the execution of the Works.
 - d) No claim for additional payment shall be entertained for items where a rate has not been entered. Items without rates shall be deemed to be covered by rates/prices for other items.
 - e) Reasonable compensation will be received where no pay item exists in the Pricing Schedule for work required in terms of this Contract which is not covered in any other pay item.
 - f) Units of measurement in the Pricing Schedule shall be metric, and abbreviations shall be as per COLTO.
 - g) Lump sum amounts, where applicable, shall allow for the full completion of the described item whether the Works are measured or not measured in units.
 - h) All prices entered in the Pricing Schedule shall exclude VAT. VAT will be added in the summary page.
 - i) Unless otherwise stated, items are measured net in accordance with the drawings and no allowance shall be made for waste.
 - j) The short descriptions of the items of payment given in the Pricing Schedule are only for the purposes of identifying the items. More details regarding the extent of the work entailed under each item appear in the Scope of Work.
 - k) The item numbers appearing in the Pricing Schedule refer to the corresponding item numbers in the COLTO Standard Specification for Road and Bridge Works for State Authorities, 1998 edition.

Abbreviations used in the Pricing Schedule

Abbreviation	Meaning
%	percent
h / hr	hour
ha	hectare
kg	kilogram
kl	kilolitre
km	kilometre
km-pass	kilometre-pass
kPa	kilopascal
kW	kilowatt
l	litre

m	metre
mm	millimetre
m ²	square metre
m ² -pass	square metre-pass
m ³	cubic metre
m ³ -km	cubic metre-kilometre
MN	meganewton
MN-m	meganewton-metre
MPa	megapascals
No.	number
Prov sum	Provisional sum
PC sum / Prime Cost sum	Prime cost sum
R/Only	Rate only
L sum	Lump sum
t	ton (1000kg)
W/day	Work day

C2.2 Price List

Part 1 – Activity schedule

The following Activity Schedule is provided “as-is” for the benefit of the Tenderer. ACSA cannot guarantee that it is complete in all respects. The Tenderer is responsible for providing an Activity Schedule which is accurate, complete and in accordance with their proposal. Also, refer to C3 (Service information) for activities that need to be priced. Only items listed in this Activity Schedule may be billed to the Employer.

NO	ACTIVITY DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	PRELIMINARIES AND GENERAL				
1.1	Safety File				
	Submission of Safety File, as per the OHS Act of 1993 and the Construction Regulation of 2014. <i>Note: Please note that should the service provider currently have an approved Safety File on record with ACSA, no cost provision is required unless the Safety File needs to be updated.</i>	Each	1	R	R
1.2	Access permits				
1.2.1	Permits and Airside safety induction cost. <i>Note: Permits and Induction shall be paid at cost and shall be paid post facto. The Contractor shall provide proof of personnel that attended the Induction and received a permit.</i>	Provisional Sum	1	R 2 000.00	R 2 000.00
2	SEALING CRACKS				
2.1	Provision OF Gas-Fired crack sealing machine with agitator & thermostatic control, complete with hoses/wand	Days	21	R	R

2.2	Propane/LPG Gas for heating(consumable)	kg			
2.3	Hot air lance & compressor (incl. fuel)	Days	21	R	R
2.4	CE-1 Poly E Flex hot-pour sealant – supply only, 25 LIT (22.9 Kg)	Each	105	R	R
2.5	Fine silica sand for blotting (<2 mm) (Bag)	kg	40	R	R
2.6	Backer rod (closed cell) 10-20 mm (only where specified for wide/deep cracks)	km	5	R	R
2.7	Route, clean and seal cracks 3 – 5 mm (post routine 6-8 mm slot) hot pour application slight over band and sand blotting	km	5	R	R
2.8	Route, clean and seal cracks >5 – 10 mm (post routine 10-12 mm slot) as above	km	5	R	R
2.9	Route, clean and seal cracks >10 – 20 mm (post routine 16-20 mm slot) as above	km	5	R	R
2.10	Wide Cracks >20 – 30 mm -install backer rod to depth, then hot pour sealant with controlled over band	km	5	R	R
3	Cut and Patch works on Runway 10				
	Cutting of Asphalt runway 10 section 1	m ³	15.75	R	R
	Cutting of Asphalt runway 10 section 2	m ³	37.5	R	R
	Cutting of Asphalt runway 10 section 3	m ³	30	R	R
	Patching of Asphalt Runway 10 section 1 Using hot asphalt mix, compacted to existing surface	tons	33.075	R	R
	Patching of Asphalt Runway 10 section 2 Using hot asphalt mix, compacted to existing surface	tons	78.75	R	R
	Patching of Asphalt Runway 10 section 3 Using hot asphalt mix, compacted to existing surface	tons	63	R	R

3	Provisional Sum The amount will be utilized for any unforeseen circumstance with the discretion of Engineer	Provisional Sum	1		R 20 000,00
4.	TOTAL AMOUNT (EXCL VAT)				
5.	VAT				
6.	TOTAL AMOUNT (INCL VAT)				

Mark up (third party procured items/services)

This is to allow the procurement of items that are not covered above.

Cost	Mark-up
R 0 – R 2 000	%
R2001 – R 10 000	%
R 10 001 – R 50 0000	%
Over R R50 0000	%

Cost shall be net cost (excluding VAT) of parts delivered to site with all discounts deducted. Original Tax Invoices from the service providers to be submitted with the Contractor's invoice.

C3: Scope of Work

C3.1 Service Information

DESCRIPTION OF THE WORKS

Employer's objectives

The purpose of this tender is to source civil maintenance contract to provide once off maintenance on runway and taxiway at Kimberley Airport in a sustainable manner at the lowest operating and maintenance costs while ensuring compliance to general safety and aviation legislation.

The specifications and requirements in this document comprise the description of the Works. The Contractor will be appointed directly by the Airports Company of South Africa.

1. Description of the service

The objective of this scope is to provide maintenance service and repairs data for the civil infrastructure at Kimberly Airport. The maintenance and repair activities should be conducted within the ambit of all regulatory and best practice frameworks such as ICAO, OHSACT, SANS, IEC, BS, ANSI, ACSA Policies & Procedures, etc. The contractor shall be responsible for the maintenance, repairs and performance of the civil infrastructure to an extent that ACSA deems appropriate and economical.

The Contractor's main objective is to ensure that all infrastructure is effectively maintained and operating within all the relevant safety and quality compliances to ensure reliability of services for airport operations.

The Scope of work entails appointing a suitable Service Provider for repairing and sealing cracks on the pavement runways and taxiways. The works are aimed at maintaining the integrity of the pavement across the airport precinct. In addition, the service provider will cut and perform patching using hot asphalt.

It should be specially noted that All work shall be performed within a live airport environment, requiring close coordination with Airport Operations and Air Traffic Control (ATC). The Contractor shall ensure that all operations are executed safely and in full compliance with ACSA Airside Safety Procedures and the Occupational Health and Safety Act requirements.

1.1 Crack Sealing

- Perform crack sealing on approximately 2 km of runway and taxiway pavement.
- The cracks to be treated vary between 5 mm to 20 mm in width.
- All cracks shall be cleaned using compressed air or mechanical brushing before sealing.
- Apply Modified Binder Class C–E1 (hot-applied) in accordance with COLTO Section 4800: Treatment of Existing Surface.
- Ensure all sealed cracks are neatly finished and flush with the surface to avoid aircraft tyre damage.

1.2 Cut and Patch works on Runway 10

The contractor is required to undertake asphalt cut-and-patch repairs at three distinct areas along Runway 10, where surface distress and localised failures have been identified. The works shall include saw-cutting, removal of failed asphalt, tack coat application, and reinstatement using hot asphalt mix compacted to match the existing pavement level

The Asphalt reinstatement layer shall have a minimum compacted thickness of 0.035 m unless otherwise directed by the Engineer. All Joints between new and existing asphalt shall be sealed to prevent moisture ingress

Area No.	Location	Approx. Area (m ²)
1	Runway 10	15.75
2	Runway 10	37.5
3	Runway 10	30

NOTE: The standard specifications shall be as prescribed in COLTO Section 4800: Treatment of an existing surface exhibiting certain defects:

The Contractor is responsible for ensuring that he is thoroughly familiar with all the amendments and corrections before submitting the Request for quotation.

B4802 Materials

Add the following:

Classification of Modified Binders for crack sealing	
Modified Binder Class (C)	Application
C – E1	Crack Sealant – Hot applied
C – R1	Crack Sealant – Hot applied

The classification of modified binders for crack sealing shall be as shown in the table 1

below. Table 1: Classification of Modified Binders for crack sealing

The letter codes used in the classification are defined as follows:

C – crack seal applications (hot applied)

E – a polymer of the elastomer type (e.g. SBR, SBS etc) R – Bitumen Rubber type

The binders to be used on this contract for the sealing of cracks shall be C – E1. The properties of the crack sealant shall conform to the requirements listed in table 2 as per TG1 (Technical guideline: The use of modified bituminous binders in road construction)

Table 2: Properties for modified binder crack sealants

Properties for modified binder crack sealants			
Property	Unit	Test Method	C – E1
Softening point (R&B)	°C	MB - 17	80 (min)
Elastic recovery @ 15°C	%	MB - 04	80 (min)
Flow @ 60°C	mm	MB - 12	Nil
Resilience	%	MB - 10	N/A
Torsion recovery @ 15°C	%	MB - 05	Report
Solids content (m/m)	%	MB - 22	N/A
Dynamic Viscosity @ 165°C	Pa.s	MB - 18	0.65 (max)
Dynamic viscosity (Haake @ 190°C)	Dpa.s	MB - 13	N/A
Dynamic Viscosity @ 25°C	Pa.s	MB - 18	N/A

B4803 Plant and Equipment

(b) Equipment for crack sealing

The contractor shall inter alia provide the following equipment for crack sealing:

(i) Blowing out cracks

The contractor shall provide a mobile compressor capable of discharging at least 3-m³/min compressed air at 650kPa pressure. The compressed air shall be free of deleterious matter that may adversely affect the bond between the sealant and the cracks. The compressor shall be free of oil, and diesel leaks.

A lance shall be used to direct the force of the air into the cracks and must be sufficiently maneuverable to enable the path of the crack to be followed accurately.

If hot air is specified, the compressed air must be heated by a hot air lance capable of achieving a temperature of 300°C in the combustion chamber.

(ii) Sealant applicator

“The sealant shall be applied through an applicator manufactured specifically for this purpose. Essentially the equipment for the hot sealant shall consist of a mobile vessel capable of heating the sealant to the required application temperature by indirect heat and controlled by a thermostat to prevent overheating. A calibrated thermometer shall be fitted in an accessible position to accurately measure the sealant temperature in the tank. Special pumps, which can deliver the sealant to the crack in a controlled manner, shall be used.

The sealant shall only be applied with pressure type application equipment to ensure that the cracks are filled rather than covered.

The contractor shall ensure that all equipment is kept clean so as to prevent blockages and resultant poor workmanship.”

B4804 CONSTRUCTION

Sealing cracks

Add the following:

“Prior to sealing, areas for sealing shall be delineated by the service manager.”

(i) Preparation

Add the following:

“The cracks shall be blown out with heated (“hot air lance”) compressed air. All dirt, grit and other base or foreign matter shall be blown out and be removed from the cracks and pavement surface.”

(ii) Cracks smaller than 3 mm

Add the following:

“No cracks smaller than 3 mm width shall be sealed unless so ordered by the service manager.”

(iii) Cracks of 3 mm and wider

Add the following:

“Cracks shall first be cleaned before the crack is sealed. The sealant shall be forced into the cracks by means of the specified sealant applicator. The contractor

shall ensure that the sealant mixture actually penetrates the crack and does not merely cover the crack in the form of a bandage. All excess sealant on the road surface wider than 30mm on either side of the crack, and thicker than 1mm, shall be removed, and shall not be paid for.”

B4807 MEASUREMENT AND PAYMENT

Add the following new payment items:

B48.14 Sealing cracks:

(a) Cleaning crack with hot compressed air and sealing using

Class C-E1 modified binder crack sealant

..... metr
e (m)

The unit of measurement for sealing of cracks shall be the metre of crack sealed as specified.

The tendered rates shall include full compensation for providing, mixing, heating (where required) and applying all the materials as specified, and for all equipment, labour, supervision, and incidentals for completing the work. No additional payment will be made for multiple applications of material, and payment will not distinguish between the various types, widths, or lengths of cracks.

Quality assurance requirement

Emphasis must be on improving system reliability and on ensuring that rostered maintenance work is indeed performed on scheduled date and intervals.

The Contractor shall ensure that works are carried out as per the Airport Company South Africa procedures, OHS Act, and applicable standards. Inspections prior and post work are to be carried out to ensure site cleanliness and equipment serviceability. Adherence to safety and good housekeeping must be maintained at all times. The facility handover process will be carried at the end of each service.

All work must be executed in accordance with prevailing industry norms and standards relating to quality. In this regard, the Contractor will be expected to draft quality plans for the Service Manager from time to time. Emphasis must be on improving equipment and facility availability conditions and on ensuring that rostered maintenance work is indeed performed as and when scheduled/required

Apart from the compliance to the defined ACSA ME procedures, a measure of ensuring quality of work will be adherence to the following (where applicable):

1. The Occupational Health and Safety (Act 85 of 1993)
2. Environmental Conservation Act (Act 50 of 2003)
3. Civil Aviation Act (Act 13 of 2009)
4. International Civil Aviation Organization (ICAO)
5. Municipal bylaws and regulations
6. Standards and specification of ACSA
7. Standards and specifications of the supply authority
8. Applicable standards and codes of practices,

Correction of defects

The Contractor shall report any defects (equipment & material) experienced whilst performing the services. Any defective plant / equipment (unserviceable) or material (unacceptable quality) shall be removed immediately from ACSA’s premises. The Contractor shall ensure that replacement (backup / leased / new) equipment and material is sourced immediately in order to comply to the contractual conditions of the services.

All defects and non-conformances must be corrected immediately. Constraints that can prevent this must be communicated to the Service Manager (or his delegated person) as listed below:

1. Airport operations that will be interrupted with a direct effect of revenue income. Hence the work must be scheduled for after operational hours.

2. Lack of spares or expertise. Hence the work will be scheduled to be completed after the procurement of the required spares or specialist services.

Should the identified defect have a negative influence on the safety of persons or critical equipment - then the Contractor must inform the Service Manager (or his delegated person) to activate ACSA's relevant internal emergency procedures in an effort to mitigate the risk as fast as practicably possible.

Any breakdown impacting on operations shall be attended-to until restored to good reliable condition. This implies that no breakdown may be left unattended or incomplete for the next day or shift.

The Employer will hold the Contractor liable for any costs incurred by any party as a result of negligence or unreasonable poor performance by the Contractor including excessive time taken to effect repairs.

Extent of the works

The Contractor will be fully responsible for meeting all requirements in this document regarding the Works.

The Contractor will be responsible for providing staff which are sufficiently skilled and qualified for successful execution of the works. The Contractor shall comply with the Minimum Staffing Schedule always – as stipulated in the Annexes. This may be amended by mutual arrangement between ACSA and the Contractor from time to time.

The Contractor shall always remain responsible to ensure that the compliment and maintenance regime is sufficient to maintain the service levels and system performance indicators as stipulated in the Annexes. Should the Contractor not be able to maintain adequate system performance indicators due to constraints caused by the Employer, it shall be timeously reported, in writing, to the Contract Manager. Refer to the Annexes for the required system performance indicators.

The Contractor will ensure that his/her staff compliment is of a sufficient quantity to allow for uninterrupted supply of labour in the event of his/her staff taking sick leave, paid leave and will allow for all staff related eventualities.

The Contractor shall continuously ensure that all staff is suitable, able and competent for the duties required of them. The Contractor shall continuously ensure that all staff is knowledgeable and trustworthy to perform maintenance activities/procedures for the Works. The Contractor shall further ensure that any staff member reasonably suspected of partaking in criminal activities is immediately removed from site and his permit returned to and/or cancelled at the ACSA Permit Office.

All work shall be charged according to the Activity Schedule. However, no labour shall be charged for any non-scheduled work, repair work or other work when carried out by a scheduled maintenance shift.

Location of the works

The Works are located at Kimberley Airport at various locations – mostly in controlled areas. It is crucial for the Contractor to note that Kimberley Airport is a National Key Point and governed as such.

PROCUREMENT

Preferential procurement procedures Requirements

The Contractor will respect OEM warranties to the Employer always when procuring spare parts, products or 3rd party services. It will be the Contractor's sole responsibility to ensure that OEM warranty requirements are adhered to always.

Where Contractors use or quote on spare parts of a lower quality than recommended by the OEM, or parts not recommended by the OEM, this shall be clearly indicated to the Service Manager on the quotation. This also implies that the Contractor must build relationships with the various key OEM's.

The Contractor must adhere to all airport requirements regarding fire, health and safety when procuring replacement conveyor belts and/or other equipment or spares.

No casual labour (i.e. "off the street" labour) may be employed by the Contractor unless pre-arranged with the Employer. Whenever this is required, the Contractor shall come to a suitable arrangement with the Employer regarding sourcing and screening of such individuals.

Subcontracting

No part of this Contract may be subcontracted unless with written approval from the Employer. The Employer shall be under no obligation to grant such approval. Should any part of this Contract be subcontracted, the Contractor will be responsible for all Works (or failure to affect the Works) as if it was done so by the Contractor.

MANAGEMENT

Management of the works

Particular / generic specifications

All work shall conform to all relevant SANS standards, OHS ACT regulations and all other legislation that might be relevant to this Contract and the execution thereof.

All work shall be carried out in accordance with prevailing industry norms and best practice and will always comply with OEM requirements.

Quality plans and control:

All work must be executed in accordance with prevailing industry norms and standards relating to quality. In this regard, the Contractor will be expected to draft quality plans for the Service Manager from time to time. Emphasis must be on improving system reliability and on ensuring that rostered maintenance work is indeed performed as and when required.

Environment:

The Contractor will keep noise and dust levels to a minimum. At no time, shall his/her work result in nuisance, interference, or danger to the public or any other person working at the Airport.

At no time, shall the Contractor:

- allow any pollutive or toxic substance to be released into the air or storm water systems
- interfere with, or put at risk, the functionality of any system or service
- cause a fire or safety hazard

Health and safety requirements and procedures:

The Service Manager shall be entitled to fine the Contractor an amount of R2000.00 for each non-conformance to Health and Safety matters. This shall not transfer any of the Contractor's responsibilities in this regard to the Employer by any means.

The Contractor shall be fully responsible for compliance to the Occupational Health and Safety Act for all persons, equipment and installations relating to this Contract. The Contractor is expected to sign the undertaking in this regard as attached in the annexes.

It shall be the Contractor's responsibility to ensure that all relevant labour and safety legislation is adhered to in rostering staff.

All persons on company premises shall obey all health and safety rules, procedures and practices. NO SMOKING signs and the prohibition of the carrying of smoking materials in designated areas shall always be obeyed. A copy of the Safety Rules booklet is available on request from the ACSA Safety Department.

All the applicable requirements of the Occupational Health and Safety Act (1993) and Regulations and any amendments thereto, shall be met. Where the OHS Act prescribes certification of competency of persons performing certain tasks, proof of such certification shall be provided to the Service Manager.

The contractor's Workmen's Compensation fees must be up to date. A copy of the Contractor's WCA registration shall be produced on request.

The following areas in the company are declared as "HOT WORKS PERMIT" areas:

All airside areas

All basement areas

All areas accessible to the public

All enclosed areas

The terminal building

Any process in the above-mentioned areas involving open flames, sparks, or heat shall be authorised by the issue of a permit to work - obtainable from the ACSA Safety department. Any work done under the protection of a permit to work shall be in strict compliance with every prescription regarding the permit.

Safety equipment shall be used where applicable (e.g. safety, goggles, boots, harness, etc.) The Contractor, at his/her own expense shall provide such equipment, for his/her employees. The Contractor shall apply the necessary discipline and control to ensure compliance by his workers.

All Contractors must ensure that his/her employees are familiar with the existing emergency procedures and must co-operate in any drills or exercises, which might be held. Emergency / fire equipment and extinguishers shall not be obstructed at any time

No person shall perform an unsafe / unhygienic act or operation whilst on Company premises.

No unsafe/dangerous equipment or tools may be brought onto or used on Company premises. The Company reserves the right to inspect all equipment/tools at any time and to prevent/prohibit their use, without any penalty to the Company and without affecting the terms of the Contract in any way.

The Company reserves the right to act in any way to ensure the safety/security of any persons, equipment or goods on its premises and will not be liable for any costs or loss evoked by the action. This includes the right to search all vehicles and persons entering, leaving or on the premises and to inspect any parcel, package, handbag and pockets. Persons who are not willing to permit such searches may not bring any such items or vehicles onto the premises.

The Contractor shall maintain good housekeeping standards in the area where he is working for the duration of the contract.

At no time, must the Contractor interfere with, or put at risk, the functionality of any Sprinklers and/or fire prevention system. Care must also be taken to prevent fire hazards.

The Contractor is required to issue all staff with standard uniforms. This shall as a minimum include: safety shoes, overalls (clearly marked with Contractor's company logo) and numbered reflective jackets (as per Airport requirements). All costs relating to uniforms shall be for the Contractor's account.

Cell phones and two-way radios:

Use of cell phones on airside is not permitted unless the user is in possession of an appropriate Airport permit for the device. Cell phone permit issuing authority lies with the ACSA Security department.

The Contractor will **not** be allowed to use two-way radios at the Airport unless these radios are of the type, model, and frequency range as approved by the ACSA IT department.

Protection of the public:

The Contractor shall take special care in order not to harm or endanger the public in any way. Work shall be sufficiently hoarded and guarded to safeguard children and the General Public from injury relating to machinery, work or other.

Barricades and lighting:

Where hoarding, barricades or lighting is required in the execution of the Works, the Contractor shall provide same at his/her own expense. Hoarding, barricades, and lighting shall comply with industry accepted norms and standards and may not be used for purposes of advertising or any other purpose than safeguarding the Works.

3. Constraints on how the Contractor Provides the Service

Planning and programming:

All maintenance work shall be scheduled, and a roster presented to the Service Manager at the end of the preceding month. Work shall be scheduled in a manner as not to interfere with any normal airport operations.

Normal airport operational hours shall be
Kimberley Airport: Mon-Fri 07:00 – 18:00; Sat 08:00 – 16:00; Sun 13:00 – 18:00

Normal Working Hours shall be 07:00 – 17:00

As a minimum requirement, the Contractor shall roster scheduled preventative maintenance activities.

Maintenance teams will attend to scheduled preventative maintenance, non-scheduled maintenance and breakdown maintenance. The Contractor must ensure that no scheduled maintenance work is carried over to the following week.

All Preventative Maintenance shall be scheduled, at least, to the requirements of the annexures (The Contractor must ensure that sufficient allowances for all these items are made with his/her pricing in the Activity Schedule.)

Methods and procedures:

The Contractor must accept and respect the fact that the Airport is continuously undergoing construction and improvement and that a variety of stakeholders are involved in ACSA's business. Therefore, within reason and with prior arrangement with the Contractor, ACSA might require the following from time to time:

- Assisting with emergency repairs on
- Assisting with airport operations Re-scheduling of work to accommodate other contractors
- Allowing access and aiding OEM suppliers to correct defects on equipment and/or systems
- Pointing out services to consultants or other contractors
- Providing access to other contractors
- Attending co-ordination and planning meetings
- Removing rubble and/or equipment from site relating to this contract
- Training of ACSA operators and/or technicians
- Providing of system data and/or statistics to ACSA
- Recommending improvements on maintenance procedures
- Recommending improvements on operational procedures
- Co-operating with ACSA Security relating to security issues

The ACSA Service Manager may instruct operational and works procedures to the Contractor as might be required from time to time. The Contractor will instruct his/her staff accordingly and implement measures to ensure that these procedures are strictly adhered to.

Meetings

The Contractor will be expected to attend meetings relating to maintenance, operations, contract management and other issues that may arise from time to time. As far as is practicable, the Contractor will make all required persons available for these meetings. The Contractor shall not submit claims for payment for staff attending any of these

The meeting shall be site specific. The medium in which the meetings will be conducted will be discussed with the site-specific Service Manager on contract commencement.

3.2 Use of standard forms

- Monthly PM's
- Task Order
- Early Warning notifications
- Compensation event notification
- Risk Register
- Risk Reduction Minutes template

Invoicing and payment

When invoicing, the Contractor shall ensure that all required reports for the corresponding month are attached to the monthly invoice. This will include monthly reports on:

1. System availability (averaged per week)
2. Maintenance work (including % of scheduled maintenance work completed)
3. Maintenance plan for the next month
4. Asset register up to date including equipment data
5. Outstanding maintenance issues

The contractor shall keep copies of all reports and records for at least 3 years. All reports shall be in a format as agreed with the Service Manager from time to time.

In terms of core clause 50 the *Contractor* assesses the amount due and applies to the *Employer* for payment. The *Contractor* applies for payment with a tax invoice addressed to the *Employer* as follows:

The *Contractor* includes the following information on each tax invoice:

- Name and address of the *Contractor*
- The contract number and title;
- *Contractor's* VAT registration number;
- The *Employer's* VAT registration number: **4930138393**
- The total of
 - The Price for each lump sum item in the Price List or Task Order which the *Contractor* has completed;
 - Where a quantity is stated for an item in the Price List or Task Order, an amount calculated by multiplying the quantity which the *Contractor* has completed by the rate,
- Other amounts to be paid to the *Contractor*;
- Less amounts to be paid by or retained from the *Contractor*;
- The change in the amount due since the previous payment being the invoiced amount - excluding VAT, the VAT and including VAT;
- (add other as required)

The *Contractor* attaches the detail assessment of all work done for each item in the Price List to each tax invoice showing

- the Price for each lump sum item in the Price List or Task Order which the *Contractor* has completed and
- where a quantity is stated for an item in the Price List or Task Order, an amount calculated by multiplying the quantity which the *Contractor* has completed by the rate.

3.4 Records of Defined Cost

In order to substantiate the Defined Cost of compensation events, the *Employer* may require the *Contractor* to keep records of amounts paid by him for people employed by the *Contractor*, plant and materials, work subcontracted by the *Contractor* and equipment. [See clause 11.2(2) and 63.2].

3.5 BBBEE and preferencing scheme

The Contractor shall maintain the BBBEE at award for the duration of the Contract.

4. Requirements for the plan

Maintenance plan to be submitted within 14 days of award, for the duration of the Contract.

5. Services and other things provided by the *Employer*

Item	Date by which it will be provided
None	

6. Property affected by the service

ANNEXES to C3 (Service information)

Title	Annex number
Kimberley Airport Footprint	Annex A
Service Level Agreement	Annex B
OHS Act Appointment by Contractor	Annex C
Generic Safety File Requirements	Annex D
Environmental Terms and Conditions	Annex E
Schedule of Tools and Special Equipment	Annex F
Resource proposal	Annex G
Suggested Maintenance Programme	Annex H
Runway Markings	Annex I
Service Provider's Maintenance Plan	Annex J

KIMBERLEY AIRPORT FOOTPRINT

PAVED SURFACE					
Infrastructure			Specifications		
No	Item - Description	Location	Length (m)	Width (m)	Final layer Wearing Corse
Runway surface					
1	RWY 02-20	Airside	3000	45	Asphalt (UTFC)
2	RWY 10-28	Airside	2800	45	Asphalt (UTFC)
Taxiway					
1	TWY A	Airside	814	22.7	Asphalt
2	TWY B	Airside	38	15	Asphalt
3	TWY C	Airside	743	22.7	Asphalt
Aprons					
1	Main Apron	Airside	TBC	TBC	Concrete
2	Northern Apron	Airside	TBC	TBC	Concrete
3	Southern Apron (by the Hanger)	Airside	TBC	TBC	Concrete
Service Roads					
1.	Service Roads	Airside	TBC	TBC	Asphalt/Paving
2	Service Roads	Landside	TBC	TBC	Asphalt
3	Service Roads	General Aviation	TBC	TBC	Aphalt
4	Perimeter Road	Airside	13,5km	3-6 M	Gravel
Parking Areas					
1	Public Shaded	Landside	Asphalt		
2	Staff Parking shaded	Landside	Asphalt		
3	Car Rental Parking shaded	Landside	Asphalt		
STORM WATER DRAINAGE					
Infrastructure			Specifications		
No	Item - Description	Location	Type		
Open Earth / Grassblocks / Concrete Channels					
1	Concrete channel	Airside	Concrete		
2	Earth channel	Airside	Earth		
3	Underground channels	Airside / Landside	Concrete		
Stormwater pipes, and Manholes					
1	Various sizes and material	Airside / Landside	Concrete		
2	Various sizes and material	Airside / Landside	Concrete		
Culverts					
1	Concrete (various)	Airside/ Landside			
Catchpits					
1	Various	Landside			
2	Various	Airside			
SEWER INFRASTRUCTURE (KIM)					
Infrastructure			Specifications		
No	Item - Description	Location	Type		
Sewer Pipes and Manholes					

1	Various	Landside	Various
2	Various	Airside	Various
Septic Tanks			
1	One (1) septic tank	Landside	Concrete
Fire Simulator Tank			
1	Fire and Rescue	Airside	Concrete
2	Effluent Discharge permit Testing and Quality Testing (done annually)	Landside / Airside	Certificate
3	Emptied and Cleaning of Separator Sumps - Super Sucker Unit	Airside	Pits
4	Safe Disposal of Debris and oils	Airside	Certificate
BULK WATER INFRASTRUCTURE			
Infrastructure			Specifications
No	Item - Description	Location	Type
Water Tanks			
1	Bulk Water and pipe infrastructure	Airside	Concrete
2	New Water Tank and pipe infrastructure	Airside	Steel / concrete
Pipes and Valves (and manhole / chambers)			
1	Various	Airside / Landside	Concrete / PVC
Refiller point for Fire Tanks (fire hydrants)			
1	All Apron area	Airside	Steel
2	Parking area	Landside	Steel
Water Meters			
1	Bulk and Tenants meters (30 number)	Airside / Landside	Plastic
FENCING			
Infrastructure			Specifications
No	Item - Description	Location	Material
Fence			
1	Perimeter Fence and General Aviation	Airside	Diamond mesh and wooded poles
2	Perimeter Fence	Airside / Landside	Diamond mesh and steel poles
3	Parking Area fence	Landside	Vibacrete
4	Gates (10 number)	Airside / Landside	Steel / Diamond Mesh

SERVICE LEVEL AGREEMENT**Operational hours**

Normal airport operational hours shall be as detailed below for the year but will be confirmed/amended by the Service Manager from time to time. The Contractor must allow for sufficient after-hours work for scheduled work not to interfere with airport operations.

Normal airport operational hours shall be

Kimberley Airport: Mon-Fri 07:00 – 18:00; Sat 08:00 – 16:00; Sun 13:00 – 18:00

Normal Working Hours shall be 07:00 – 17:00

Minimum Staffing Schedule

The Contractor shall continuously ensure that all staff is suitable, able and competent for the duties required of them. Staff must have mechanical/electrical experience. The Contractor shall continuously ensure that all staff is knowledgeable on all equipment relating to the Elevators.

For all staff and senior personnel dedicated to this contract, the following must be submitted in detail:

- Full Names
- Proof of qualifications and work experience on maintaining similar equipment system.

The Contractor must maintain the following **minimum** staff available when required and should price accordingly:

Skill	Frequency
Site Foreman	Planned and Unplanned Maintenance
Skilled labour	Planned and Unplanned Maintenance
Unskilled labour	Planned and Unplanned Maintenance
Machine operators	Planned and Unplanned Maintenance

The Contractor must have additional resources available to attend to lengthy breakdowns or breakdowns of a specialised nature.

It shall be the Contractor's responsibility to ensure that all relevant labour and safety legislation is adhered to in rostering staff.

The Contractor shall schedule staff to complete the preventative maintenance schedule accordingly. The Tenderer must ensure that sufficient allowance for all these items is made for in his/her pricing in the Activity Schedule.

Response Times

Description	Benchmark
Availability	Notwithstanding the closure time required for breakdowns requiring spare part(s) or a second level of response; <ul style="list-style-type: none"> ➤ Lifts and stair lifts availability (per lift) shall be kept at or above 95% overall per month.
Response time	All breakdowns shall be responded to within: <ul style="list-style-type: none"> ➤ 8 hrs from the time the Contractor is notified of the breakdown - during normal working hours and after hours
Closure Duration	All breakdowns shall be resolved within: <ul style="list-style-type: none"> ➤ 4 hours from the time the Contractor arrives on site – during normal working hours ➤ 8 hours from the time the Contractor arrives on site -after hours
Elevator Occupied	All elevator occupied calls shall be responded within: <ul style="list-style-type: none"> ➤ 30 minutes from the time the Contractor is notified, and the passengers shall be released immediately.
% of planned maintenance completed per month	100% of all planned maintenance shall be completed per month
Total breakdowns requiring a second level of response (the intervention of a Field Engineer or higher expertise)	<ul style="list-style-type: none"> ➤ All Elevators breakdowns requiring a second level of response shall be resolved within 24 hours (subject to the lead time of required spares) and shall be limited to a total of 3 occurrences per month.

The way the call outs are dispatched to the contractor shall be discussed with the Service Manager at specific sites as call logging procedures may differ from each site.

Human resources

The following minimum standards shall apply to resourcing:

1. For all call-outs: Considering current airport access control infrastructure and security arrangements and considering the physical layout of the apron, the Contractor shall ensure a sufficient quantity and effective positioning of staff to meet or exceed the Service Level Agreement.
2. The rostered maintenance staff compliment shall be sufficient to perform all required preventative maintenance for each month.
3. During operational hours, the Contractor shall respond in accordance with the S.L.A to successfully attend to breakdowns.
4. During operational hours, the Contractor shall
5. have at least one senior person who will respond to the call outs who:
 - a) Is suitably qualified and experienced to resolve breakdowns and system stoppages.
 - b) Is suitably qualified and experienced to work on any electrical control panel.
 - c) Is able to successfully interact with OEM personnel.
 - d) Is of a level of seniority to successfully direct and manage Contractor staff and possible sub-contractors during system breakdowns and can successfully interact with airport operational staff and airport management.

Staff qualifications

It will always remain the Contractor's responsibility to ensure that staff is suitably qualified and experienced for the duties expected of them. Further all applicable legislative requirements must be adhered to in rostering staff.

ACSA reserves the right to verify all personnel employed under this contract. Furthermore, ACSA reserves the right to order that personnel that are not adequately qualified or suited for this contract are removed from the site.

The Contractor must comply and respond to the following:

*Compliance to benchmarks will be calculated on a weekly average except on repairs that will be calculated on a monthly average. The total operational hours for the respective week/month shall be used as a guide. The only exceptions will be stoppages due to mains electricity supply failures and/or where ACSA has refused system repairs and/or adequate access to the site.

Detail on how calls will be dispatched will be discussed on site with the Service Manager as the call dispatch process varies from airport to airport.

Finally, once the problem has been resolved the contractor will advise the Service Manager of the resolution.

*Availability will be calculated on a monthly average. This will include all stoppages, even if such stoppages are not under the Contractor's control. The only exceptions will be stoppages due to mains electricity supply failures and/or where ACSA has refused system repairs and/or adequate access to the site. The total operational hours for the respective week/month shall be used as a measure for calculating availability. All other benchmarks above will be calculated on a weekly average. Reports will be provided by the ACSA Computerised Maintenance Management System.

Defect free liability period

Defect free liability period – corrective or breakdown maintenance	The defect free period will be no less than 90 days.
Defect free liability period – project work	The defect free period will be no less than 12 months.

Low service damages

Low service damages are limited to a maximum of **25% of the fixed cost /month**.

Service level table

Low service damage Description	Amount
Where a repair cannot be completed the same day due to the unavailability of a spare part.	R 5 000.00 (unless the unavailability of the spare part was agreed to by the Service Manager or his/her duly authorised representative)
Leaving a breakdown unattended or incomplete for another day or shift Not meeting call response and closure time SLA.	R 4 000.00 (unless the delay in repair was agreed to by the Service Manager or his/her duly authorised representative or unless the required spares are not available to complete the work)
Safety infringement (for example: leaving moving machinery exposed)	R 10 000.00 per incident
Availability not meeting requirements	R 6 000.00 per month

Continuous Improvement Program and the Computerized Maintenance Management System

It is hereby required that the Contractor ensures that a continuous improvement program is in place. For example, the criteria below may be used but not only limited to the items mentioned below.

1. An improvement in the availability of systems
2. An improvement on the minimization of spares holding (for example by increasing Mean Time to Failure of components)
3. Etc.

As mentioned above this list is not comprehensive and it is only used for illustrative purposes. Upon implementation of the contract the Employer and the Contractor shall agree targets for the continuous improvement program.

It is important to note that continuous improvement will only apply to those items that meet minimum benchmarks. Continuous improvement initiatives shall be reviewed every quarter or when deemed necessary by the Employer or the Contractor.

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

OBJECTIVES

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

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

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

The parties to this Agreement are:

Name of Organization: AIRPORTS COMPANY SOUTH AFRICA SOC Limited
Physical Address: Physical Address: Kimberley Airport Comp Patterson Rd Diskobolos Kimberley 8301

Hereinafter referred to as “Client”

Name of organisation:
Physical Address:

Hereinafter referred to as “the Mandatary/ Principal Contractor”

MANDATORY'S MAIN SCOPE OF WORK

To be completed by contractor

GENERAL INFORMATION FORMING PART OF THIS AGREEMENT

1. The Occupational Health & Safety Act comprises of SECTION 1-50 and all un-repealed 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. "Mandatory" is defined as including as agent, a principal contractor or a contractor for work, but WITHOUT DEROGATING FROM HIS/HER STATUS IN HIS/HER RIGHT AS AN EMPLOYER or user of the plant
3. Section 37 of the Occupational Health & Safety Act potentially punishes Employers (PRINCIPAL CONTRACTOR) for unlawful acts or omissions of Mandatories (CONTRACTORS) save where a Written Agreement between the parties has been concluded containing arrangements and procedures to ensure compliance with the said Act BY THE MANDATARY.
4. All documents attached or refer to in the above Agreement form an integral part of the Agreement.
5. 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.
6. Mandatories who utilize the services of their own Mandatories (contractors) must conclude a similar Written Agreement with them.
7. 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.
8. This Agreement shall be binding for all work the Mandatory undertakes for the client.
9. All documentation as per the Safety checklist including a copy of the written Construction Manager appointment in terms of construction regulation 8, must be submitted 7 days before work commences.

THE UNDERTAKING

The Mandatory undertakes to comply with:

INSURANCE

1. The Mandatory 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 is in good standing with the Compensation Fund or Licensed Insurer.
2. The Mandatory 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.
 - Public Liability Insurance Cover as required by the Subcontract Agreement.
 - 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.

COMPLIANCE WITH THE OCCUPATIONAL HEALTH & SAFETY ACT 85 OF 1993

The Mandatory 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 Mandatory on the Client's premises must be performed under the close supervision of the Mandatory's employees who are to be trained to understand the hazards associated with any work that the Mandatory performs on the Client's premises.
2. The Mandatory 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.
 4. The Mandatary 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.
 5. The Mandatary shall appoint competent persons who shall be trained on any Occupational Health & Safety aspect pertaining to them or to the work that is to be performed.
 6. The Mandatary shall ensure that discipline regarding Occupational Health & Safety shall be strictly enforced.
 7. Any personal protective equipment required shall be issued by the Mandatary to his/her employees and shall be worn at all times.
 8. Written safe working practices/procedures and precautionary measures shall be made available and enforced and all employees shall be made conversant with the contents of these practises.
 9. No unsafe equipment/machinery and/or articles shall be used by the Mandatary or contractor on the Client's premises.
 10. All incidents/accidents referred to in OHS Act shall be reported by the Mandatary to the Provincial Director: Department of Labour as well as to the Client.
 11. No user shall be made by the Mandatary and/or their employees and or their subcontractors of any of the Client's machinery/article/substance/plant/personal protective equipment without prior written approval.
 12. The Mandatary shall ensure that work for which the issuing of permit is required shall not be performed prior to the obtaining of a duty completed approved permit.
 13. The Mandatary shall ensure that no alcohol or any other intoxicating substance shall be allowed on the Client's premises. Anyone suspected to be under the influence of alcohol or any other intoxicating substance shall not be allowed on the premises. Anyone found on the premises suspected to be under the influence of alcohol or any other intoxicating substance shall be escorted off the said premises immediately.
 14. Full participation by the Mandatary shall be given to the employees of the Client if and when they inquire into Occupational Health & Safety.

FURTHER UNDERTAKING

1. 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 by the Chief Executive Officer of the Mandatary. A copy of this letter must be made available to the Client.
2. The Mandatary confirms that he has been informed that he must report to the Client's management, in writing anything he/she deems to be unhealthy and /or unsafe. He has versed his employees in this regard.
3. The Mandatary warrants that he/she shall not endanger the health & safety of the Client's employees and other persons in any way whilst performing work on the Client's premises.
4. The Mandatary understands that no work may commence on the Client's premises until this procedure is duly completed, signed and received by the Client.
5. Non-compliance with any of the above clauses may lead to an immediate cancellation of the contract.

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, (**Identity Number:**), a duly authorised

16.2 Appointee acting for and on behalf of 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 _____

SIGNATURE ON BEHALF OF THE CLIENT
AIRPORT COMPANY SOUTH AFRICA

DATE _____

GENERIC SAFETY FILE REQUIREMENTS

Make provision for the safety file – activities can only be carried out once the safety file is approved and a work permit is obtained from our local safety department at George Airport.- see list below. The list below is generic and only based on the specific scope of work will the applicable items become a requirement for compliance.

- Mandatory form. 37(2) Agreement
- Mandatory form. 37(2) Agreement of Sub Contractor
- CR 5(k) Appointment Letter for PC
- Valid letter of good standing
- Notification of construction work or Construction Permit as applicable (Annexure 2)
- Detailed Scope of Work
- Risk Assessments
- Fall Protection Plan & Rescue Plan (where applicable)
- Confined Space Rescue plan
- Method Statement/s
- OHS Specification specific to project
- SHE policy
- Project specific Safety Plan
- Airside Safety Plan (where applicable)
- Updated Employee List of with ID/Passport Copies
- Medicals (where applicable)
- First Aid box Register
- PPE study and issue register
- Tools/Equipment/Plant/Scaffolding registers
- Waste management Plan
- ACSA EMS 048 Environmental Specifications
- Letters of appointment with competencies (where appointment are applicable depending on the task):
 - 1) OHS 16(1) CEO
 - 2) OHS 16(2) Assistant CEO
 - 3) CR 8.1 Construction work Manager
 - 4) CR 8.5 Construction H&S officer
 - 5) CR 8.7 Construction work Supervisor
 - 6) CR 8.8 Assistant Supervisor
 - 7) CR 9.1 Risk Assessor
 - 8) CR 13.1(a) Excavation Supervisor
 - 9) GAR 9 Incident Investigator
 - 10) GSR 9 First Aider
 - 11) CR 24 & EMR 9 Electrical Tool Inspector
 - 12) CR 29(H) Fire Fighting Equipment Supervisor
 - 13) CR 23 Construction Vehicles & Mobile Plant Operator

- 14) GSR 13 Ladder Inspect
- 15) Portable (Hand) Tool inspector
- 16) CR 16.1 /SANS 085 Scaffolding Inspector
- 17) CR 28 (a) Stacking and Storage Supervisor
- 18) HCS Supervisor (HCS Regulations)
- 19) OHS 19 SHE Committee Members
- 20) OHS 17 Health & Safety Reprehensive

Note the safety file requirements is an inherent OHS act requirement for each of the scope of work activities above - and should be priced as part of those activities

**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.
Storm water, Soil and Groundwater Pollution	<ul style="list-style-type: none"> • No solid or liquid material may be permitted to contaminate or potentially contaminate storm water, 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • All reasonable measures shall be taken to minimize noise generated on site due to work operations. • The Contractor shall comply with the applicable regulations regarding noise.
Waste Management	<ul style="list-style-type: none"> • 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 not be feasible. • Under no circumstances shall solid or liquid waste be dumped, buried or burnt. • Contractors shall maintain a tidy, litter free environment always in their work area. • Contractors must keep on file: <ol style="list-style-type: none"> 1. The name of the contracting waste company 2. Waste disposal site used 3. Monthly reports on quantities – separated into general, hazardous and recycled 4. Maintained file of all Waste Manifest Documents and Certificates of Safe Disposal 5. Copy of waste permit for disposal site

	This information must be available during audits and inspections.
Handling & Storage of Hazardous Chemical Substances (HCS)	<ul style="list-style-type: none"> • 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 regarding 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, land owners 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 due to the infringement at his/her own expense.

I, of 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:

TOOLS AND SPECIAL EQUIPMENT

The Contractor shall have **all** Tools and Special Equipment, necessary for the execution of the works, either on site or readily available at his/her premises. The principle that applies to Tools and Special Equipment is that downtime must be kept to an absolute minimum. Any **exclusion** to the above should be listed with the lead-time required to deliver same to site.

Number	Item description	Lead time
1		
2		
3		
4		
5		
6		
7		

RESOURCE PROPOSAL

The Contractor shall include a detailed resource proposal (including an organogram for on-site personnel) at the bidding stage. This shall, as a minimum, include the quantity of staff (regarding level of skill and formal training of each) and how/where they will be deployed and utilised under this contract. This must also include a proposed shift roster and deployment schedule.

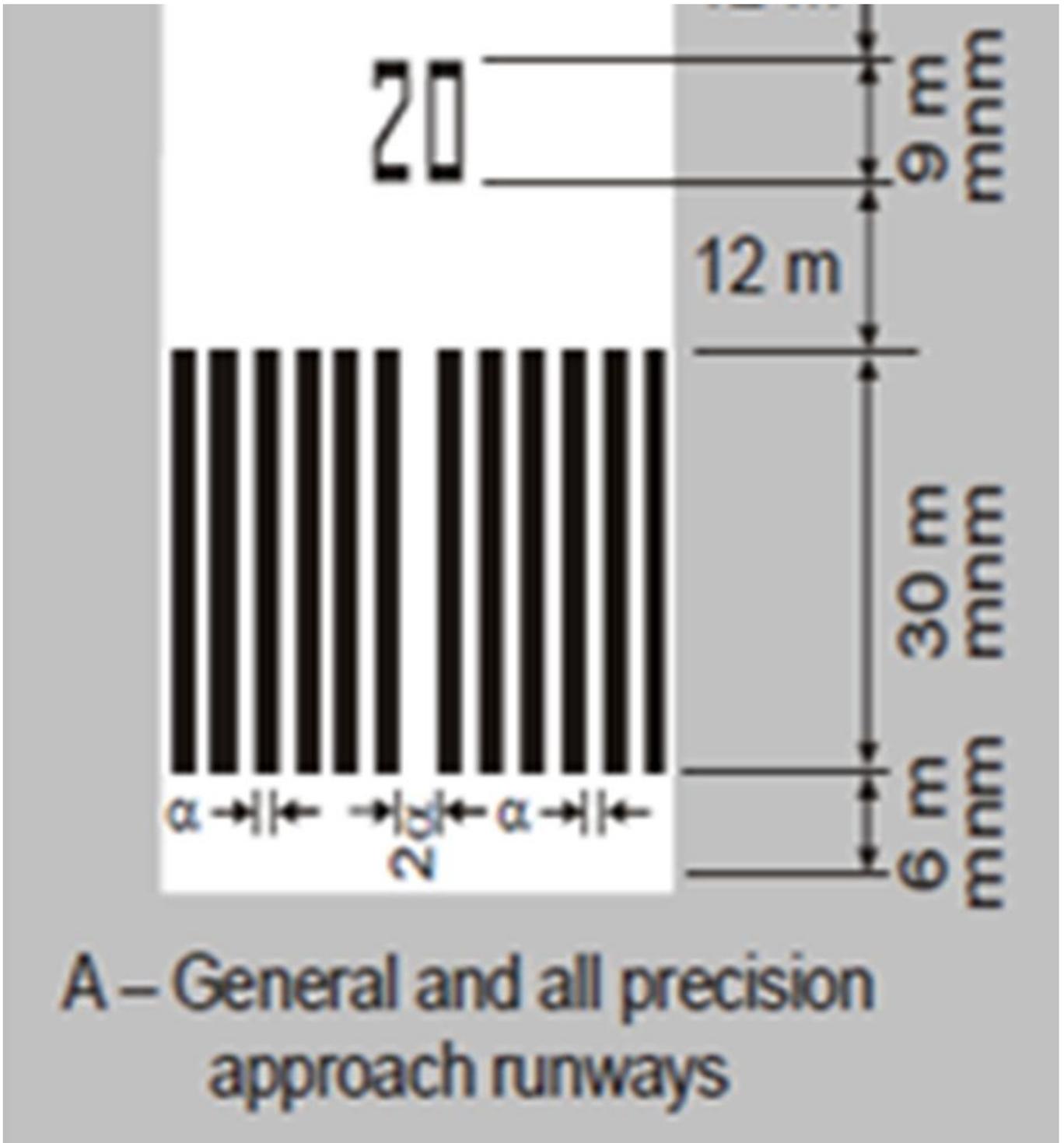
SUGGESTED MAINTENANCE PROGRAMME

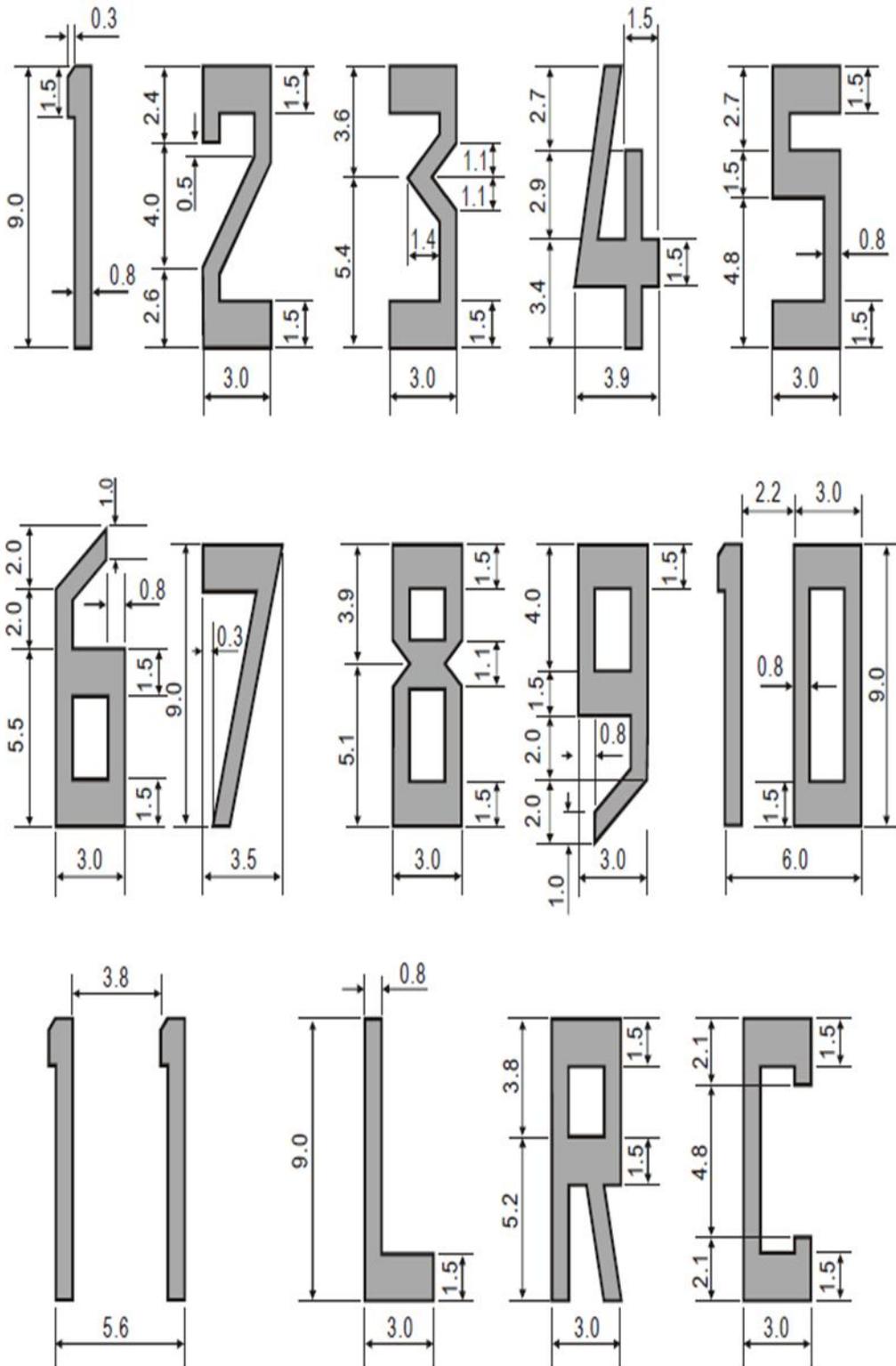
The frequency will be determined by the onsite conditions. Should the need arise to perform any of the services described in the Scope of Work, the service provider will be issues with a Task Order to perform the service at the affected area.

MAINTENANCE ACTIVITIES		
Storm Water		
No	Activity	Frequency
1	Assess inlets, manholes, pipes, and channels for structure damage and repair all damaged infrastructure	As and When required
2	Clean all grid inlets, kerbs, parapets and manholes from rubble	As and When required
3	Clean all grid inlets, kerbs, parapets and manholes from sediment	As and When required
4	Clean all earth and concrete channels from vegetation, sediment and rubble	As and When required
5	Remove sediment and debris in and around the outfalls at canals	As and When required
6	Survey the stormwater infrastructure and ensure that all items appear on the stormwater drawing	As and When required
7	Clean and flush stormwater pipes	As and When required
Paved Surfaces (RWY, TWY, Apron, Helisquare, Roads, Parkades, Remote Building perimeters, Etcetera)		
8	Perform rubber deposit removal where required	As and When required
9	Ensure effective drainage by clearing all stormwater infrastructure on the paved surface and within the RWY & TWY strip area	As and When required
10	Repair Potholes and cracks with cold ready-mixtures on all paved surfaces. 1m ² patches	As and When required
11	Ensure Surface markings are clearly visual by performing spot-treatment-painting activities as and when required on all paved surfaces	As and When required
12	Perform Surface marking activities (complete renewal of existing - blanket replacement) - sandblast areas where build-up is affecting friction coefficients. Utilise surface marking spraying equipment.	As and When required
13	Perform sandblasting services to eliminate fracking surfaces and paint build-up on all paved surfaces (Where required)	As and When required
14	Ensure graded (ave = 1%) RWY & TWY strips by way of filling; cutting; compacting, from the RWY & TWY Edge to a width of 15m.	As and When required
15	Perform a structural integrity test on the entire footprint of the paved surface and provide a comprehensive report which will advise planned repair activities.	As and When required
16	Perform surface sealant application activities in order to increase the lifespan of the wearing coarse of pavement surfaces (as and when required)	As and When required
17	Perform UTFc repairs on the RWY surface - as and when required. This will be done in Patches of 5m ² .	As and When required
18	Inspect and repair lifting cable conduits and fracking cable-route filling material. Perform back-filling of cable routes on the RWY & TWY Surfaces by way of a bitumen based resin product.	As and When required

19	Mitigate water erosion on RWY, TWY & Apron (+ Road Shoulders) by instilling grass sods.	As and When required
20	Mitigate FOD (foreign object debris) generation on RWY, TWY by installing grass sods	As and When required
21	Remove fuel and oil contamination from Apron and other paved surfaces	As and When required
22	Inspect & replace Apron and turning circle concrete block joint insulation (when required)	As and When required
23	Inspect & repair concrete block crack and fracturing (mostly on corners) with new concrete mixtures - when required	As and When required
24	Apply herbicide application on paved surface boundaries, perimeter fence and around AGL. Ensure band is compacted to prevent FOD generation. Also where the weed grows in the surfaces from cracks and potholes	As and When required
Bulk Water Supply		
25	Service main incoming water valves	As and When required
27	Service all underground isolating water valves	As and When required
28	Service all isolating water valves in the terminal building and to all remote buildings	As and When required
29	Service all water reservoir (x2) valves and equipment	As and When required
30	Record all water infrastructure pipe water pressures (i.e. incomers; loops; branches; etc)	As and When required
31	Repair or replace all water infrastructure related failures (i.e. seepage; leaks; faulty seals; faulty joints; faulty valves, etc.)	As and When required
32	Repair all water leaks and bursts	As and When required
33	Service all water meters (including the immediate surrounding equipment and surfaces = 500mm radius)	As and When required
Fence		
34	Assessment and report (detailed technical report) the entire fencing footprint-infrastructure for structural non-conformance to ACSA's (Security and Fire & Rescue) policies and procedures: Fencing poles; Metal fence; Gates; Swinging mechanisms; Locking mechanisms; Barb-wire; Cross poles; Quality of the wood; Palisades panels.	As and When required
35	Perform patch repairs on fences where the damage is not too big and does not degrade the structural integrity of the fence.	As and When required
36	Perform sectional repairs on fences (mesh galvanized fence) with the same: (Utilise Galvanised 5x8mm wire mesh; Maintain minimum heights of the fences; All required repairs must be completed per pole to pole section; Replace where the 8mm diameter galvanised wire strings are broken / rusted but it must match with the existing fence	As and When required
37	Replace all damaged (rotten) poles where needed: Poles to be installed by way of concrete base with the following minimum dimensions [750(d)x500(w)x500(b)mm]; Poles must be treated accordingly.	As and When required
38	Repair all wooden poles by way of metal clamps: Where the top parts of the poles are busy splitting; Repair with a metal clamp to close the poles prior to	As and When required

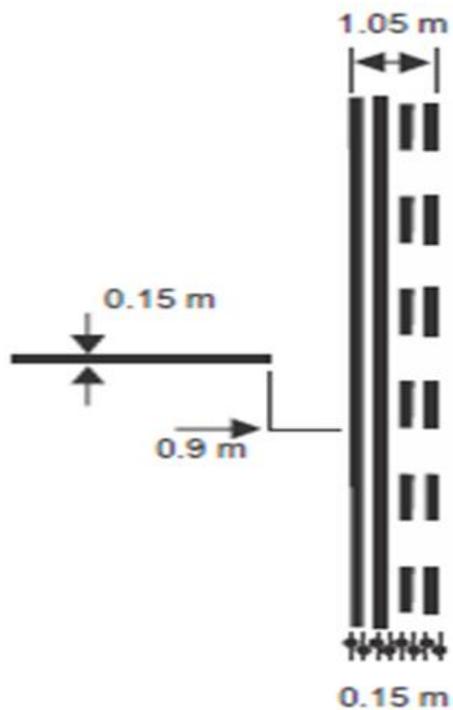
	painting the creosote; Mild steel, galvanised clamps to be used.	
39	Paint all wooden poles with creosote	As and When required
40	Close all holes underneath the perimeter fence to prevent animals from entering the airside. Utilise topsoil and compact as required to ensure level surface for effective grass cutting. Plant grass sods where required.	As and When required
41	Paint all exposed mild steel fences and palisades to mitigate rust - Spot Treatment. After rust prevention paint application - apply silver top coat of paint for mechanical protection	As and When required
42	Maintain all gates for alignment and closing	As and When required
Earthworks		
43	Ensure RWY & TWY strip and inner field is level and water puddling free. Perform earthworks (cutting, filling, grading, compacting, etcetera) to achieve this. Supply and deliver all required equipment and material. Apply grass sods where required. Where required	As and When required
44	Ensure all road shoulders and pavement areas is level and water puddling free. Perform earthworks (cutting, filling, grading, compacting, etcetera) to achieve this. Supply and deliver all required equipment and material. Apply grass sods where required. Where required	As and When required
45	Ensure all perimeter fence surface (3 meter strip on either side of the fence) is level and water puddling free. Perform earthworks (cutting, filling, grading, compacting, etcetera) to achieve this. Supply and deliver all required equipment and material. Apply grass sods where required. Where required	As and When required
Fire Simulator Tank		
46	Removal of the contaminated water from the fire simulator tank (30,000litres), to a correct disposal site. Contractor to be in possession of a Disposal Certificate. Payment of invoice can be held back until correct documentation is provided. Cleaning of the Oil Separator, including the water jetting from the inlet to the oil separator, and the correct disposal of the oil. Contractor to be in possession of a Disposal Certificate. Payment of invoice can be held back until correct documentation is provided.	As and When required
Grading		
47	Grading of perimeter fence and Runway End Safety Area and Imported earth filling, (G7 material) supplied and carted into the site using 10 cubic truck, compacted to 95% modified G5 Material	As and when required
Runway Marking		
48	Runway markings includes threshold markings, edge lines, centre lines, touchdown lines etc	As and when required





PATTERN A1:

4 lines and
3 spaces at
0.15 m each



Service Provider's Maintenance Plan

The Service provider shall submit a proposed Maintenance Plan in Excel of Microsoft Projects format.