



## **BID DOCUMENT**

### **FOR**

**Tender for the Replacement of the Fire Detection System for a  
period of 30 months at King Shaka International Airport**

**Tender Reference Number: KSIA7286/2023/RFP**

**NOVEMBER 2023**

**Issued by**  
Airports Company South Africa

**Note:**

Upon Acceptance of the Offer by the Employer, this Tender Document becomes the Contract Document, subsequent to which, all references to the term "Tenderer(s)" then become synonymous with the term "Contractor".

## **VOLUME 1**

**NAME OF BIDDER: .....**

## BIDDER'S DETAILS

1	NAME OF TENDERER (BIDDING ENTITY)	
		(FULL NAME, i.e. CC, (Pty) Ltd, JV, SOLE PROPRIETOR)
2	TEL NUMBER	
3	FAX NUMBER	
4	EMAIL	
5	NAME OF CONTACT	
6	NATIONAL TREASURY CSD REGISTRATION NUMBER	MAAA
7	TENDER AMOUNT (VAT Incl) <small>This should be the same as the C1.1 Offer and Acceptance in the Contract</small>	

**RFP Timelines**

<b>Bid Invitation</b>	<b>29<sup>th</sup> November 2023</b>
<b>Compulsory Briefing Session</b>	<b>11<sup>th</sup> December 2023 @ 11h00</b>
<b>Enquiries closing Date and time</b>	<b>12<sup>th</sup> January 2024 @ COB (Close of Business)</b>
<b>RFP submission closing Date and time</b>	<b>01st February 2024 @ 12h00</b>

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[www.airports.co.za](http://www.airports.co.za)

Airports Company South Africa SOC Ltd Reg No 1993/004149/30 VAT no 4930138393 Board of Directors: Advocate S Nogxina (Chairperson), M Mpofu (Chief Executive Officer), N Zikala-Mvelase, N Nokwe-Macamo, Y Pillay, K Esterhuizen, GA Victor, D Hlatswayo, Dr KH Badimo, F Sefara (Company Secretary)



## T1.1 Tender Notice and Invitation to Tender

Airports Company South Africa SOC Limited invites tenders for the replacement of the Fire Detection System at King Shaka International Airport

**TENDER REFERENCE NUMBER: KSIA7286/2023/RFP**

Only tenderers who are a CIDB contractor grading of **6SF** or higher as stated on the Tender Data may submit tender offers.

### TENDER DOCUMENT AVAILABILITY

Tender document are available from **29<sup>th</sup> November 2023** , for free download from National Treasury's eTender Publication Portal (<http://www.etenders.gov.za>) and ACSA Tender Bulletin website - <http://www.airports.co.za/business/tender-bulletin/current-and-future-tenders>

### KINDLY PRINT AND COMPLETE.

Queries relating to the issue of these documents may be addressed to Mr Graham Mitchell.

**Tel no:** 021 935 4325

**E-mail address:** [ctiatender.admin@airports.co.za](mailto:ctiatender.admin@airports.co.za)

Closing date for enquiries is **12<sup>th</sup> January 2024 @ COB (Close of Business)**

### COMPULSORY BRIEFING

A compulsory clarification meeting with representatives of the Employer will take place in person on the **11<sup>th</sup> December 2023 @ 11h00 at the following Venue**

#### VENUE:

**King Shaka International Airport (La Mercy in KZN)  
ACSA Reception  
Ground Floor - Multi Storey Office Block  
Located in the Pick-Up Zone area**

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### SITE VISIT/SITE WALKABOUT

Bidders should visit the permit office at least one-hour prior the briefing session and site inspection to obtain visitor access cards. Every bidder must come to site with the following:

- a) Reflective jacket
- b) Identity Document (not driver's license)
- c) Safety boots

**PLEASE NOTE THAT NO PERMITS WILL BE ISSUED AFTER 10:00 AM**

## SITE INSPECTION

### Protocol for the Site Inspection

- While on site bidders shall always adhere to ACSA safety protocol.
- Protective gear shall be worn before entering Airside. ie. retroreflective safety jacket and safety boots. See the picture below of an acceptable retro-reflective jacket. No other colours will be accepted.
- Two persons maximum, per company shall be allowed to attend the site walkabout.
- Bidders are required to bring a certified copy of their identity document, not older than 3 months, or an original ID document. Failure to bring this document to site will result in the bidder not being able to access Airside.

To gain access to Airside for the site inspection, the below details are required from Bidders:

- Name and Surname
- Personal address and Work Address
- Contact details

Details of persons joining the site inspection should be provided at least two days prior to the clarification session. Details can be emailed to the ACSA SCM Official, Mlungisi Mgobhozi who can be contacted at [ctiatenders.admin@airports.co.za](mailto:ctiatenders.admin@airports.co.za)



### Closing Date

The closing time for receipt of tenders is **01st February 2024 @ 12:00 PM** (South African Time).  
Tenders must be placed inside the **Tender Box**, **on or before closing date and time**.



**LOCATION OF TENDER BOX:**

King Shaka International Airport (La Mercy in KZN)  
ACSA Reception  
Ground Floor - Multi Storey Office Block  
Located in the Pick-Up Zone area.

Telephonic, telegraphic, telex, facsimile, e-mailed tenders will not be accepted.

No late tenders will be accepted.

Bidders to ensure that their names and contacts are reflected on the cover of the bid document.

Tenders may only be submitted on the tender documentation that is issued.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

## T1.2 Tender Data

The conditions of tender are the Standard Conditions of Tender as contained in Annex C of the CIDB Standard for Uniformity in Construction Procurement (8 August 2019) as published in Government Gazette 42622, Board Notice 423 of 2019 of 8 August 2019. (See [www.cidb.org.za](http://www.cidb.org.za) ).

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender.

Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

Clause Number	Tender Data
<b>C.1</b>	<b>GENERAL</b>
C.1.1	The Employer is <b>AIRPORTS COMPANY SOUTH AFRICA SOC LIMITED</b>
C.1.2	<p>The Tender Documents issued by the Employer comprise:</p> <p><b>Part T1: Tendering Procedures</b></p> <p>T1.1 Tender notice and invitation to tender</p> <p>T1.2 Tender data</p> <p>T1.3 CIDB Standard conditions of tender</p> <p><b>Part T2: Returnable Document</b></p> <p>T2.1 List of returnable documents</p> <p>T2.2 Returnable schedule</p> <p><b>Part C1: Agreements and Contract Data</b></p> <p>C1.1 Form of offer and acceptance</p> <p>C1.2 Contract data</p> <p><b>Part C2: Pricing Schedule</b></p> <p>C2.1 Pricing instructions</p> <p>C2.2 ACSA Service Level Agreement</p> <p>C2.3 Bills of Quantities</p> <p>Section 1 - Preliminaries</p> <p><b>Part C3: Scope of work a comprehensive SOW Attached hereto</b></p> <p><b>Part C4: Site information</b></p> <p><b>Part C5: Annexures</b></p>
C.1.4	<p>The Employer's Agent is <b>Graham Mitchell (SCM Representative)</b></p> <p><b>Telephone number:</b> 021 935 4325</p> <p><b>Email address:</b> <a href="mailto:ctiatender.admin@airports.co.za">ctiatender.admin@airports.co.za</a></p> <p>All communication during the Tender period shall not be made to the Principal Agent but to ACSA's Supply Chain Department</p>
C.1.5	<p><b>C1.5 Cancellation and Re-Invitation of Tenders</b></p> <p>C1.5.1 An employer may, prior to the award of the tender, cancel a tender if-</p> <ol style="list-style-type: none"> <li>due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation.</li> <li>funds are no longer available to cover the total envisaged expenditure; or</li> <li>no acceptable tenders are received.</li> <li>there is a material irregularity in the tender process.</li> </ol> <p>C1.5.2 The decision to cancel a tender invitation must be published in the same manner in which the original tender invitation was advertised</p>



	C.1.5.3 An employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.
C.1.6	<p><b>Procurement procedures</b></p> <p>C.1.6.1 General</p> <p>Unless otherwise stated in the tender data, a contract will, subject to C.3.13, be concluded with the tenderer who in terms of C.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.</p> <p><b>C.1.6.2 Competitive negotiation procedure</b></p> <p>C.1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of C.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of C.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.</p> <p>C.1.6.2.2 All responsive tenderers or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the tender data shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information.</p> <p>Notwithstanding the provisions of C.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.</p> <p>C.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.</p> <p>C.1.6.2.4 The contract shall be awarded in accordance with the provisions of C.3.11 and C.3.13 after tenderers have been requested to submit their best and final offer.</p>
<b>C.2</b>	<b>TENDERER'S OBLIGATIONS</b>
C.2.1	<p><b>Eligibility</b></p> <p>C.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.</p> <p>C.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.</p>
C.2.2	<p><b>Cost of tendering</b></p> <p>C.2.2.1 Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer complies with requirements.</p>

C.2.3	<p><b>Check documents</b></p> <p>Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.</p>
C.2.4	<p><b>Confidentiality and copyright of documents</b></p> <p>Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.</p>
C.2.6	<p><b>Acknowledge addenda</b></p> <p>Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.</p>
C.2.7	<p><b>Clarification meeting</b></p> <p>The arrangements for a compulsory briefing session are as stated in the Tender Notice and Invitation to Tender (T1.1).</p> <p>Tenderers must sign the attendance list in the name of the tendering entity. Addenda will be issued to and tenders will be received only from those tendering entities appearing on the attendance list.</p>
C.2.8	<p><b>Seek clarification</b></p> <p>Request clarification of the tender documents, if necessary, by notifying the employer at least five (5) working days before the closing time stated in the tender data.</p>
C.2.9	<p><b>Insurance</b></p> <p>Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.</p>
C.2.10.3	<p>This contract shall not be subject to Contract Price Adjustments, foreign fluctuations, etc and all rates and prices shall remain FIXED, final and binding for the full duration of this contract.</p>
C.2.11	<p><b>Alterations to documents</b></p> <p>Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.</p>
C.2.12	<p><b>Alternative bids will not be considered. (If applicable please copy the clause as per SFU 2019)</b></p>
C.2.13	<p><b>Submitting a tender offer</b></p> <p>C.2.13.1 Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.</p> <p>C.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.</p> <p>C.2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.</p>

	<p>C.2.13.4 Sign the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.</p> <p>C.2.13.5 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.</p>
C.2.14	<p><b>Information and data to be completed in all respects</b></p> <p>Accept that tender offers, which do not provide all the data or information requested completely and in the form required, may be regarded by the employer as non-responsive.</p> <p>The bidder is solely responsible for all reporting required by the contract owner and will ensure that regular scheduled reports are provided for the tenure of this Bid. Reporting should be on a company letterhead and be signed and initialled by the responsible parties.</p>
C.2.15	<p><b>Closing time</b></p> <p>The Employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are:</p> <p><b>LOCATION OF TENDER BOX: KING SHAKA INTERNATIONAL AIRPORT</b></p> <p><b>King Shaka International Airport (La Mercy in KZN)</b> <b>ACSA Reception</b> <b>Ground Floor - Multi Storey Office Block</b> <b>Located in the Pick-Up Zone area.</b></p> <p><b>BID REF. NO: KSIA6286/2023/RFP</b></p> <p><b>TITLE: Tender for the Replacement of the Fire Detection System for a period of 30 months at King Shaka International Airport</b></p> <p><b>CLOSING DATE: 01st February 2024 @ 12H00</b></p>
C.2.16	<p><b>TENDER OFFER VALIDITY</b></p> <p>C.2.16.1 Hold the tender offer(s) valid for 12 weeks (<b>CIDB Construction Industry and Development Board</b>) for <b>acceptance</b> by the employer at any time during the validity period stated after the closing time stated in the tender data. ACSA reserves the right to request an extension if and when required.</p> <p>C.2.16.2 If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.</p>

	<p>C.2.16.3 Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period stated in C.2.16 lapses before the employer evaluating tender, the contractor reserves the right to review the price based on Consumer Price Index (CPI).</p> <p>C.2.16.4 Where a tender submission is to be substituted, a tenderer must submit a substitute tender in accordance with the requirements of C.2.13 with the packages clearly marked as "SUBSTITUTE".</p>
C.2.17	<p>Clarification of tender offer after submission</p> <p>Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.</p>
C.2.20	<p><b>Submit securities, bonds and policies.</b></p> <p>If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the contract data.</p>
<b>C.3</b>	<b>EMPLOYER'S UNDERTAKINGS</b>
C.3.1	<p><b>Respond to requests from the tenderer.</b></p> <p>The Employer will respond to requests for clarification received up to five (5) working days before the tender closing time.</p>
C.3.2	<p><b>Issue Addenda</b></p> <p>Addenda will be issued until three (3) working days before the tender closing time.</p>
C.3.3	<p><b>Return late tender offers</b></p> <p>Tender offers received after the closing time stated in the Tender Data will be returned, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.</p>
C.3.4	<p>There will be public opening of tenders after the tender closing date of the <b>01st February 2024 @ 12:30 PM</b> Tender opening register will be made available to all bidders who submitted a bid.</p>
C.3.7	<p><b>Grounds for rejection and disqualification</b></p> <p>Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.</p>
C.3.8	<p><b>Test for Responsiveness</b></p> <p>C.3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:</p>

	<p>a) complies with the requirements of these Conditions of Tender, (scope work, pricing, proposed amendments and qualifications, cover letters must be considered)</p> <p>b) has been properly and fully completed and signed, and</p> <p>c) is responsive to the other requirements of the tender documents. (check certificates if attached, eg Qualifications, etc allow bidder reasonable time to submit.)</p> <p>C.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:</p> <p>a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,</p> <p>b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or</p> <p>c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.</p> <p>Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.</p>
C.3.9	<p><b>Arithmetical errors, omissions, and discrepancies.</b></p> <p>C.3.9.1 Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.</p> <p>C.3.9.2 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with C.3.11 for:</p> <p>a) the gross misplacement of the decimal point in any unit rate;</p> <p>b) omissions made in completing the pricing schedule or bills of quantities; or</p> <p>c) arithmetic errors in:</p> <p>(i) line-item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or</p> <p>(ii) the summation of the prices.</p> <p>C.3.9.3 Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.</p> <p>C.3.9.4 Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:</p> <p>a) If bills of quantities or pricing schedules apply and there is an error in the line-item total resulting from the product of the unit rate and the quantity, the line item total shall govern and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line-item total as quoted shall govern, and the unit rate shall be corrected.</p> <p>b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern, and the tenderer</p>

	will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.														
C.3.10	<b>Clarification of a tender offer</b> Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.														
C.3.11	<b>A staged approach will be used to evaluate tenders.</b>														
	<table><tr><th>Stage 1</th><th>Stage 2</th><th>Stage 3</th><th>Stage 4</th><th>Stage 5</th><th>Stage 6</th><th>Stage 7</th></tr><tr><td>Test for Responsiveness As per Clause C3.8</td><td>Mandatory Requirements</td><td>Check if minimum local content and production thresholds have been met (if applicable)</td><td>Evaluate on functionality or the technical aspect of the bid.</td><td>Evaluate price and Preference.</td><td>Post tender negotiations if applicable.</td><td>Security Vetting If deemed necessary</td></tr></table>	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7	Test for Responsiveness As per Clause C3.8	Mandatory Requirements	Check if minimum local content and production thresholds have been met (if applicable)	Evaluate on functionality or the technical aspect of the bid.	Evaluate price and Preference.	Post tender negotiations if applicable.	Security Vetting If deemed necessary
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7								
	Test for Responsiveness As per Clause C3.8	Mandatory Requirements	Check if minimum local content and production thresholds have been met (if applicable)	Evaluate on functionality or the technical aspect of the bid.	Evaluate price and Preference.	Post tender negotiations if applicable.	Security Vetting If deemed necessary								
	<b>Stage 1 Test for responsiveness</b> as outlined by the clause C3.8 above.														
	<b>STAGE 2 MANDATORY ADMINISTRATION CRITERIA</b>														
	<ul style="list-style-type: none"><li>Fully completed and signed form of offer and acceptance (C1.1) (Found in the NEC3 contract document)</li><li>Only bidders who attend the <b>Compulsory</b> Site Briefing session will be eligible to bid</li><li>Only tenderers with a valid CIDB contractor grading of 6SF or higher are eligible to bid on this initiative.</li><li>Tenderers must complete and sign the declaration of interest form (SBD4)</li><li>Tenders must provide proof of COIDA (Letter of good standing with the Workers Compensation Commissioner or proof of application) with the Department of Labour, FEM or RMA</li></ul>														
	<b>NB: No award will be made to a supplier or service provider who is not registered on the Central Supplier Database (CSD).</b>														
	<b>NB: No Bid will be awarded to any person whose tax matters have not been declared in order by South African Revenue Service.</b>														
	<b>NB: The contract will not be signed without a valid insurance. (Proof of insurance – On award ONLY)</b>														
<b>NB: The Contract will not be signed without a valid letter of good standing with the workers Compensation commissioner (COIDA).</b>															

**STAGE 4 FUNCTIONALITY EVALUATION CRITERIA**

Functionality is the terminology used to define the technical ability of the Tenderer, based on experience to deliver the required product in accordance with the specialised quality, reliability and functionality.

The functionality evaluation will be conducted by the end-user/operations/the Tender Preparation and Evaluation Committee which comprises of various skilled and experienced members from diverse professional disciplines. The evaluation process will be based on functionality criteria. The criteria will be as follows:

**FUNCTIONALITY CRITERIA**

1. The functionality / technical evaluation will be conducted by the Tender Preparation and Evaluation Committee (TPEC), which comprises of various skilled and experienced members from diverse professional disciplines.
2. The criteria are as follows:
3. Threshold: The functional / technical evaluation will be based on a threshold, where bidders which fail to achieve the Threshold Points per criteria **AND** the minimum of 66 points on the functional / technical stage will not be considered for further evaluation.
4. Points allocated for Functionality shall be evaluated in accordance with the criteria as listed below. An overall minimum threshold of **66 points out of 100 must** be achieved for the tender to be eligible for further evaluation on Price and B-BBEE. Bidders who also fail to achieve the minimum score per criteria will be disqualified and not be eligible for further evaluations.

	Evaluation Area	Max Points	Minimum Threshold
1 & 2	<b>Company</b>		
	<ul style="list-style-type: none"> <li>Company experience</li> <li>Company reference</li> </ul>	10 10	6 6
3	<b>OEM Confirmation Letter</b>	10	6
4,5& 6	<b>Company Resources</b>		
	<ul style="list-style-type: none"> <li>Experience</li> </ul>	20	12
	<ul style="list-style-type: none"> <li>Education</li> </ul>	20	12
	<ul style="list-style-type: none"> <li>Registration</li> </ul>	10	10
7	<b>Programme &amp; Schedule</b>	10	6
8	<b>Fire Detection Commissioning SAQCC Registration</b>	5	5
9	<b>ORHVS Responsible Person (Competence certificate)</b>	5	3
	<b>TOTAL</b>	<b>100</b>	<b>66</b>

Criteria Description	Minimum Threshold	Maximum	BIDDERS SCORE
<p><b><u>COMPANY EXPERIENCE</u></b></p> <p>Proven experience in Fire Detection System Replacement or Installation and/or Maintenance within the last 10 years. Company experience to show projects in Fire Detection System Replacement or Installation and/or Maintenance that have been <b>COMPLETED</b> in the <b>past 10 years</b>. Proven experience shall be in the form of an official company <b>signed invoice or handover/commissioning certificate or practical completion certificate</b> for each project to qualify work done.</p> <ul style="list-style-type: none"> <li>• &lt;2 Projects 0</li> <li>• 2 Projects 6</li> <li>• 3 or more Projects 10</li> </ul>	6	10	
<p><b><u>COMPANY REFERENCES</u></b></p> <p>Contactable references for where works was executed for the <b>PROJECTS LISTED ABOVE</b>.</p> <ul style="list-style-type: none"> <li>• &lt;2 References 0</li> <li>• 2 References 6</li> <li>• 3 or more References 10</li> </ul> <p>Reference letters must be on the letterhead of the referring company. Contactable referees must include their telephone or cell phone numbers, email address and contact names.</p>	6	10	
<p><b>Confirmation Letter from OEM to supply reputable Fire Detection Products</b></p> <p>A supplier must provide in writing, commitment from OEM supplier to supply reputable and compliant Fire Detection and Protection System Products</p> <p>OEM letter to contain commitment to hold sufficient spares, technical support and/or training and after sales service for the duration of the project.</p> <ul style="list-style-type: none"> <li>• No Valid certificate/Letter 0</li> <li>• Confirmation letter from OEM Letter 10</li> </ul>	10	10	



	<div><div><div><div>COMPANY RESOURCES</div></div></div><div><div><div><div>Contract Manager</div><div>Relevant Experience in contract OR projects management</div><div>(Comprehensive CV that includes previous projects and contactable references to be provided)</div></div><div><div><div>More than 5 years</div><div>10 points</div></div><div><div>Between 3 – 5 Years</div><div>6 points</div></div><div><div>Less than 3 Years</div><div>0 points</div></div></div><div><div>Relevant Education in Project OR Contract OR Managerial qualification</div><div>(Certified qualification to be provided)</div></div><div><div><div>B-Tech or Higher</div><div>10 points</div></div><div><div>National Diploma</div><div>6 points</div></div><div><div>Less than National Diploma</div><div>0 points</div></div></div></div></div></div>	6	10	
	<div><div><div><div>Installation Technician (Installer)</div><div>Relevant Experience in Fire Detection System installation OR maintenance</div><div>(Comprehensive CV that includes previous projects and contactable references to be provided)</div></div><div><div><div>More than 5 years</div><div>10 points</div></div><div><div>Between 3 – 5 Years</div><div>6 points</div></div><div><div>Less than 3 Years</div><div>0 points</div></div></div><div><div>SAQCC registration</div></div><div><div><div>Provided</div><div>5 points</div></div><div><div>Not Provided</div><div>0 points</div></div></div><div><div>Relevant Education</div><div>(proof of qualification to be provided)</div></div><div><div><div>&gt; NQF Level 4</div><div>10 points</div></div><div><div>NQF Level 4</div><div>6 points</div></div><div><div>&lt;NQF Level 4</div><div>0 points</div></div></div></div></div>	6	10	
	<div><div><div><div>Technical Assistant (Cabler)</div><div>SAQCC registration</div></div><div><div><div>Provided</div><div>5 points</div></div><div><div>Not Provided</div><div>0 points</div></div></div></div></div>	5	5	
	<div><div><div><div>Programme &amp; Schedule</div><div>No Programme</div><div>Programme without timelines</div><div>Programme with timelines</div><div>The respondent will provide a preliminary Programme which demonstrates realistic time frames which meets the required project duration.</div><div>The project Programme must address, as far as possible, potential delays. The Programme must recognise the milestones as indicated in the contract data clause X7 demonstrate good knowledge of the project and provide rational mitigating strategies.</div></div><div><div>0</div><div>6</div><div>10</div></div></div></div>	6	10	

<b>Fire Detection Commissioner- SAQCC Registration</b> <table><tr><td>Provided</td><td>Not Provided</td></tr><tr><td>5 points</td><td>0 points</td></tr></table>	Provided	Not Provided	5 points	0 points	5	5	
Provided	Not Provided						
5 points	0 points						
<b>ORHVS</b>  <b>Operating Regulations for High Voltage Systems (ORHVS) Responsible Person (Competence certificate)</b> ORHVS Competence certificate or Letter of Intent to provide a trained resource within a month of the official signed contract:  <ul style="list-style-type: none"><li><b>No Competence Certificate or Letter of Intent</b>      <b>0</b></li><li><b>Letter of Intent on the company letter head</b>      <b>3</b></li><li><b>ORHVS Responsible Person Certificate</b>      <b>5</b></li></ul>	3	5					
<b>Total</b>	<b>66</b>	<b>100</b>					

A typical CV of each of the following personnel of not more than 2 pages must be attached to this schedule.

Each CV should be structured under the following headings:

- Personal particulars mentioning:
  - \*name
  - \*date and place of birth
- Place (s) of tertiary education and dates associated therewith.
- Qualifications (degrees, diplomas, artisan's certification or other recognised training courses completed)
- Membership grades or membership of professional societies and professional registrations)
- Name of current employer and position in enterprise
- Overview of post graduate experience (year, organization and position / responsibilities)
- Record of Previous work experience in Fire Detection or Maintenance Experience in Projects and contactable references.
- Total number of years' working experience (include start and end dates) in Fire Detection Installation.
- Individual experience on Fire Detection Installations or Maintenance Experience.
- Professional activities which have a bearing on the service

*NB: All minimum threshold per resource AND company experience must be met to be evaluated further.*

- Qualification requirements apply concurrently, and bidders must meet all requirements per category to score full points.

- If bidder supplies any mix of qualifications corresponding to min or max category, minimum points will be allocated.

If a tenderer wishes to submit an alternative tender offer, it must demonstrably satisfy the Employer's standards and requirements as per the original tender document. An alternative offer may only be submitted if an offer that fully satisfies the original tender document requirements is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed. Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal.

Acceptance of an alternative tender offer will imply acceptance in principle of the offer. It will be an obligation of the contract for the tenderer, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the Employer's standards and requirements

Alternative Tender Offers will ONLY be considered from the highest point scoring respondent and only if/when the award is granted.

### **Stage 5 Price and Preference**

This is the final stage of the evaluation process and will be based on the PPPFA preference point system. Bidders will be ranked by applying the preferential point scoring *80/20 for bids with the rand value equal to or below R50 million*. A maximum of 80 points is allocated for price based on the following formulae (delete formula not applicable):

80/20

$$Ps = 80 \left( 1 - \frac{Pt - P_{min}}{P_{min}} \right)$$

Where:

Ps = Points scored for price of tender under consideration

	<p>Pt = Price of tender under consideration</p> <p>Pmin = Price of lowest acceptable tender</p> <table><tr><th>Category</th><th>Specific Goals</th><th>Score</th></tr><tr><td></td><td></td><th>20</th></tr><tr><td rowspan="5">Construction</td><td>51% owned by Black male and Black women and Black youth and People living with disabilities</td><td>20</td></tr><tr><td>51% owned by Black male or Black women or Black youth or People living with disabilities (at least two of the above designated groups must achieved)</td><td>15</td></tr><tr><td>51% owned by Black male or Black women or Black youth or People living with disabilities</td><td>10</td></tr><tr><td>Less than 51% owned by Black male, Black women, Black youth, People living with disabilities</td><td>5</td></tr><tr><td>Other</td><td>0</td></tr></table> <p><b>Determine acceptability of preferred tenderer:</b></p> <p><b>Perform a risk analysis on the preferred tenderer to ascertain if any of the following might present an unacceptable commercial risk to the employer:</b></p> <ul style="list-style-type: none"><li>• <b>Unduly high or unduly low tendered rates or amounts in the tender offer.</b></li><li>• <b>Contract data provided by the tenderer; or</b></li><li>• <b>The contents of the tender returnable which are to be included in the contract.</b></li></ul>	Category	Specific Goals	Score			20	Construction	51% owned by Black male and Black women and Black youth and People living with disabilities	20	51% owned by Black male or Black women or Black youth or People living with disabilities (at least two of the above designated groups must achieved)	15	51% owned by Black male or Black women or Black youth or People living with disabilities	10	Less than 51% owned by Black male, Black women, Black youth, People living with disabilities	5	Other	0
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	Other	0																
C.3.12	<p><b>Insurance provided by the employer.</b></p> <p><b>Refer to Contract Data</b></p>																	
C.3.13	<p>C.3.13 Acceptance of tender offer</p> <p>Accept the tender offer; if in the opinion of the employer, it does not present any risk and only if the tenderer:</p> <p>a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement;</p> <p>b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract.</p> <p>c) has the legal capacity to enter into the contract.</p> <p>d) is not; insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act No. 2008, bankrupt or being wound up, has his/her affairs administered by a court or a judicial officer, has suspended his/her business activities or is subject to legal proceedings in respect of any of the foregoing.</p> <p>e) complies with the legal requirements, if any, stated in the tender data; and</p> <p>f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.</p>																	

## Standard Conditions of Tender

### C.1 General

#### C.1.1 Actions

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

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

*Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.*

*2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance or loyalty which would in any way affect any decisions taken.*

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

#### C.1.2 Tender Documents

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

#### C.1.3 Interpretation

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

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

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

- a) **conflict of interest** means any situation in which:

- i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfill his or her duties impartially;
  - ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
  - iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.
- b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration;
- c) **corrupt practice** means the offering, giving, receiving or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process;
- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels;

#### **C.1.4 Communication and employer's agent**

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

#### **C.1.5 Cancellation and Re-Invitation of Tenders**

**C.1.5.1** An employer may, prior to the award of the tender, cancel a tender if-

- a) due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation;
- b) funds are no longer available to cover the total envisaged expenditure; or
- c) no acceptable tenders are received.
- d) there is a material irregularity in the tender process.

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

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

#### **C.1.6 Procurement procedures**

##### **C.1.6.1 General**

Unless otherwise stated in the tender data, a contract will, subject to C.3.13, be concluded with the tenderer who in terms of C.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

##### **C.1.6.2 Competitive negotiation procedure**

**C.1.6.2.1** Where the tender data require that the competitive negotiation procedure is to be

followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of C.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of C.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

C.1.6.2.2 All responsive tenderers or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the tender data shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information.

Notwithstanding the provisions of C.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

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

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

### **C.1.6.3 Proposal procedure using the two stage-system**

#### **C.1.6.3.1 Option 1**

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

#### **C.1.6.3.2 Option 2**

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

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

## **C.2 Tenderer's obligations**

### **C.2.1 Eligibility**

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

C.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of

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

### **C.2.2 Cost of tendering**

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

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

### **C.2.3 Check documents**

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

### **C.2.4 Confidentiality and copyright of documents**

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

### **C.2.5 Reference documents**

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

### **C.2.6 Acknowledge addenda**

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

### **C.2.7 Clarification meeting**

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

### **C.2.8 Seek clarification**

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

### **C.2.9 Insurance**

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



tenderer is advised to seek qualified advice regarding insurance.

#### **C.2.10 Pricing the tender offer**

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

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

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

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

#### **C.2.11 Alterations to documents**

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

#### **C.2.12 Alternative tender offers**

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

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

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

#### **C.2.13 Submitting a tender offer**

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

C.2.13.2 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

C.2.13.3 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

C.2.13.4 Sign the original and all copies of the tender offer where required in terms of the tender



data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

C.2.13.5 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

C.2.13.6 Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

C.2.13.7 Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.

C.2.13.8 Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

C.2.13.9 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

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

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

#### **C.2.15 Closing time**

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

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

#### **C.2.16 Tender offer validity**

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

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

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

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

#### **C.2.17 Clarification of tender offer after submission**

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

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

#### **C.2.18 Provide other material**

C.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer’s commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment.

Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employer’s request, the employer may regard the tender offer as non-responsive.

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

#### **C.2.19 Inspections, tests and analysis**

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

#### **C.2.20 Submit securities, bonds and policies**

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

#### **C.2.21 Check final draft**

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

#### **C.2.22 Return of other tender documents**

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

#### **C.2.23 Certificates**

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

### **C.3 The employer's undertakings**

#### **C.3.1 Respond to requests from the tenderer**

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

C.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements;
- b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

#### **C.3.2 Issue Addenda**

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three (3) working days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who collected tender documents.

#### **C.3.3 Return late tender offers**

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

#### **C.3.4 Opening of tender submissions**

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

C.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where

applicable, the total of his prices, number of points claimed for its BBBEE status level and time for completion for the main tender offer only.

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

#### **C.3.5 Two-envelope system**

C.3.5.1 Where stated in the tender data that a two-envelope system is to be followed, open

only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

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

### **C.3.6 Non-disclosure**

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

### **C.3.7 Grounds for rejection and disqualification**

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

### **C.3.8 Test for responsiveness**

C.3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

C.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

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

### **C.3.9 Arithmetical errors, omissions and discrepancies**

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

words, the amount in words shall govern.

C.3.9.2 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with C.3.11 for:

- a) the gross misplacement of the decimal point in any unit rate;
- b) omissions made in completing the pricing schedule or bills of quantities; or
- c) arithmetic errors in:
  - (i) line-item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
  - (ii) the summation of the prices.

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

C.3.9.4 Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:

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

### **C.3.10 Clarification of a tender offer**

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

### **C.3.11 Evaluation of tender offers**

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

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

<b>The CIDB Standard Conditions of Tender are based on a procurement system that satisfies the following system requirements:</b>	
<b>Requirement</b>	<b>Qualitative interpretation of goal</b>
Fair	The process of offer and acceptance is conducted impartially without bias, providing simultaneous and timely access to participating parties to the same information.
Equitable	Terms and conditions for performing the work do not unfairly prejudice the interests of the parties.
Transparent	The only grounds for not awarding a contract to a tenderer who satisfies all requirements are restrictions from doing business with the employer, lack of capability or capacity, legal impediments and conflicts of interest.
Competitive	The system provides for appropriate levels of competition to ensure cost effective and best value outcomes.
Cost effective	The processes, procedures and methods are standardized with sufficient flexibility to attain best value outcomes in respect of quality, timing and price, and least resources to effectively manage and control procurement processes.

**The activities associated with evaluating tender offers are as follows:**

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

#### **C.3.11.1 General**

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

#### **C.3.12 Insurance provided by the employer**

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

#### **C.3.13 Acceptance of tender offer**

Accept the tender offer; if in the opinion of the employer, it does not present any risk and only if the tenderer:

- a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement;
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract;

- c) has the legal capacity to enter into the contract;
- d) is not; insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act No. 2008, bankrupt or being wound up, has his/her affairs administered by a court or a judicial officer, has suspended his/her business activities or is subject to legal proceedings in respect of any of the foregoing;
- e) complies with the legal requirements, if any, stated in the tender data; and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

### **C.3.14 Prepare contract documents**

C.3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents and
- c) other revisions agreed between the employer and the successful tenderer.

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

### **C.3.15 Complete adjudicator's contract**

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

### **C.3.16 Registration of the award**

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

### **C.3.17 Provide copies of the contracts**

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

### **C.3.18 Provide written reasons for actions taken**

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





The undersigned, who warrants that he / she is duly authorized to do so on behalf of the enterprise, confirms that the contents of this Standard conditions of the Tender are within my personal knowledge and are to the best of my belief both true and correct. I therefore accept the above as part of the formative bid document in collaboration with the contractual obligations in the NEC3.

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			



**AIRPORTS COMPANY SOUTH AFRICA**

**AIRPORT: KING SHAKA INTERNATIONAL AIRPORT**

**BID REF. No: KSIA7286/2023/RFP**

**TITLE: Tender for the Replacement of the Fire Detection System for a period of 30 months at King Shaka International Airport**

## **Part T2: Returnable Documents**

### **T2.1: List of Returnable Document**

### **T2.2: Returnable Schedules**

## T2.1: LIST OF RETURNABLE DOCUMENTS

The tenderer must complete the following returnable documents:		Completed (tick)
<b>1</b>	<b>Returnable Schedules required for tender evaluation purposes only</b>	
	A1: Certificate of Attendance at Compulsory Briefing session	
	A2: Record of Addenda to Tender Documents	
	A3: Certificate of Authority for Signatory	
	A4: Certificate of Authority for Joint Ventures ( <i>where applicable</i> )	
	A5: Schedule of the Tenderer's Recent Experience related to this Project	
	A6: Completion Certificates of Previous Projects Completed	
	A7: Certified Copies of Client Reference Letters of Previous Projects Completed	
	A8: Proof of Contract Values of Previous Projects Completed	
	A9: Schedule of Current Commitments	
	A10: SBD 4: Bidder's Disclosure Form	
	A11: SBD 6.1: Preference points claim form in terms of Preferential Procurement Regulations	
	A12: SBD 6.2 Declaration for local content and production for PPPFA designated sectors ( <i>if applicable</i> )	
	A13: Confidentiality and Non-Disclosure Agreement.	
<b>2</b>	<b>Other documents required only for tender evaluation purposes</b>	
	B1: Proof of registration for Contractor's WCA registration and or COIDA	
	B2: A certified copy of Certificate of Contractor Registration issued by the Construction Industry Development Board (CIDB)	
	B3: SARS Pin issued by the South African Revenue Services.	
	B4: An original Bank Statement of good financial standing (Bank Rating) for the tender sum	
	B5: Central Supplier Database (CSD) proof of registration.	
<b>3</b>	<b>Returnable Schedules required for tender evaluation purposes that will be incorporated into the contract</b>	
	C1.1 Form of Offer and Acceptance ( <b>Contract part</b> )	
	C1: Compulsory Enterprise Questionnaire	
	C2: Schedule of Proposed Subcontractors	
	C4: Subcontractor's Supporting Documents	
	C5: Plant and Equipment	
	C6: A certified copy of B-BBEE Verification Certificate	
	C7: CV's of key personnel	
	C8: Certified Certificates of Qualifications of Key Personnel.	
	C9 Work Plan and Proposed Methodology	
	C10 Occupational Health and Safety Questionnaire	
	C11 Schedule of Information to be provided by Tenderer	
	C12 Proposed Amendments and Qualifications	
	C13 JV Agreement	
	C14 Popia Annexure	
	C15 - Certified I.D for Directors/Trustees /Members/Shareholders and Senior management of the bidding entity.	



## T2.2: RETURNABLE SCHEDULES

### FORM A1. Certificate of Attendance of the Compulsory Briefing Session

<p>This is to certify that</p> <p>I, .....</p> <p>Representative of (tenderer).....</p> <p>.....</p> <p>of (address).....</p> <p>.....</p> <p>.....</p> <p>e-mail .....</p> <p>telephone number .....</p> <p>fax number.....</p> <p>visited the compulsory brief session held on date.....</p>
--

Signed		Date	
Name		Position	
Tenderer			

Signed by ACSA  
Representative:

Name: .....



## FORM A2. Record of Addenda to Tender Documents

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

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

Attach additional pages if more space is required.

Signed		Date	
Name		Position	
Tenderer			



### Form A3: Certificate of Authority for Signatory

- (1) Signatories for close corporations and companies shall confirm their authority by attaching to this form a duly signed and dated copy of the relevant resolution of their members or their board of directors, as the case may be.
- (2) In the event that the tenderer is a joint venture, a certificate of authority for signatories (Form A3) is required from all members of the joint venture and the designated lead member shall be clearly identified as requested by tender condition C2.13.4.

An example is shown below:

"By resolution of the board of directors taken on ..... 20.....

Mr/Ms .....

whose signature appear below, has been duly authorized to sign all documents in connection with this tender for Tender number **KSIA7286/2023/RFP** and any contract which may arise there from on behalf of

(block capitals) .....

Signed on behalf of Company: .....

In his/her capacity as: .....

Date:..... Signatory of Authority: .....

Witnesses:

.....  
Signature

.....  
Signature

.....  
Name (print)

.....  
Name (print)

**Attach:**

- Latest Audited Annual Financial Report (If applicable)
- Bank reference Letter

Signed		Date	
Name		Position	
Tenderer			



## FORM A4. Certificate of Authority of Joint Ventures (where applicable)

This Returnable Schedule is to be completed by joint ventures.

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

**Please attach JV agreement stipulation % share of each JV**

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner		Signature: . . . . . Name: . . . . . Designation: . . . . .
		Signature: . . . . . Name: . . . . . Designation: . . . . .
		Signature: . . . . . Name: . . . . . Designation: . . . . .

Signed		Date	
Name		Position	
Tenderer			

## FORM A5. Schedule of the Tenderer's Recent Experience

The experience of the tenderer or joint venture partners in the case of an unincorporated joint venture or consortium as opposed to the key staff members / experts in similar projects or similar areas and conditions in relation to the scope of work over the period stipulated in the evaluation criteria Bidders are requested to submit a comprehensive portfolio of relevant (value and complexity) projects successfully completed.

As a minimum the bidder is to have successfully completed at least **xxxx** each project with contract value of **RXX million (inclusive of VAT)** or more to achieve a satisfactory score.

Bidders should very briefly describe his or her experience in this regard and attach this to this schedule. See format below

The description should be put in tabular form with the following headings:

Employer, contact person and telephone number	Principal Agent (Name, Tel No, Contact Person)	Description of works/ Project Name	Value of work inclusive of VAT (Rand)	Date started	Date completed	COMPLETION CERTIFICATE OR CLIENT REFERENCE LETTER	
						YES	NO

**Note:** When completing the above schedule, Tenderer's must take cognisance of the evaluation criteria as described in the Tender Data, Part T1.2, Clause C.3.11





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

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			



## FORM A6 Certified Copies of Completion Certificates of Previous Projects Completed

Please attach Completion Certificates (Practical Completion) of Previous Projects Completed as listed under Form A5 above to this page.  
A minimum of two (2) certificate required for relevant projects.

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

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			



## **FORM A7 Certified Copies of Client Reference Letters of Previous Projects Completed**

Please attach certified copies of Client Reference Letters of Previous Projects Completed as listed under Form A5 above to this page.

A minimum of two (2) reference letters required from the client bodies/Principal Agent.

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

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			



## Form A8 Proof of Contract Values of Previous Projects Completed

Please attach proof of Contract Values of Previous Projects Completed as listed under Form A5 above to this page. A minimum of two (2) certificates required for relevant projects.

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

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			

**Form A9: Schedule of Current Commitments**

1. The tenderer shall list below all projects with which the proposed key personnel are currently involved.
2. In the event of a joint venture enterprise, details of all the members of the joint venture shall similarly be attached to this form.

Employer, contact person and telephone number	Consultant/ Principal Agent, contact person and telephone number	Description of contract	Value of work inclusive of VAT (rand)	Completion Date

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			

SBD 4

**A10. BIDDER'S DISCLOSURE****1. PURPOSE OF THE FORM**

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

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

**2. Bidder's declaration**

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

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

Full Name	Identity Number	Name of State institution

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

2.2.1 If so, furnish particulars:

.....  
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?

**YES/NO**

2.3.1 If so, furnish particulars:

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

.....  
.....

### 3 DECLARATION

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

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

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of bidder

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

**SBD 6.1****A11. PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022 SBD 6.1**

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

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

**1. GENERAL CONDITIONS**

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

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

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

- a) The applicable preference point system for this tender is the **80/20** preference point system.
- b) The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

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

- (a) Price; and
- (b) Specific Goals / Preference.

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

The maximum points for this tender are allocated as follows:



	POINTS
PRICE	80
BBBEE / PREFERENCE	20
Total points for Price and SPECIFIC GOALS	100

Category	Specific Goals	Score
		20
Construction	51% owned by Black male and Black women and Black youth and People living with disabilities	20
	51% owned by Black male or Black women or Black youth or People living with disabilities (at least two of the above designated groups must achieved)	15
	51% owned by Black male or Black women or Black youth or People living with disabilities	10
	Less than 51% owned by Black male, Black women, Black youth, People living with disabilities	5
	Other	0

- 1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.
- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

## 2. DEFINITIONS

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

## 3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

### 3.1. POINTS AWARDED FOR PRICE

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

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

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

Where

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

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

#### 3.2.1. POINTS AWARDED FOR PRICE

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

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

Where

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

## 4. POINTS AWARDED FOR SPECIFIC GOALS

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

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

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

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

**Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)** *(Delete the column that are not applicable depending on the budget of the tender)*

The specific goals/preference point allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
51% owned by Black male and/or Black women and Black youth and People living with disabilities	20	
51% owned by Black male or Black women or Black youth or People living with disabilities (at least two of the above designated groups must achieved)	15	
51% owned by Black male or Black women or Black youth or People living with disabilities	10	
Less than 51% owned by Black male, Black women, Black youth, People living with disabilities	5	
Other	0	

#### DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number: .....

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation



- ☐ Public Company  
☐ Personal Liability Company  
☐ (Pty) Limited  
☐ Non-Profit Company  
☐ State Owned Company  
 [TICK APPLICABLE BOX]

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

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

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

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

**DATE:** .....

**ADDRESS:** .....

.....  
 .....  
 .....  
 .....



## SBD 6.2

### **A12 DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS**

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

#### **1. General Conditions**

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two-stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:



$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 4.1 below.

**The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost.**

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation.

**2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:**

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
<b>Replacement of Fuel Bowser</b>	<b>100%</b>

3. Does any portion of the goods or services offered have any imported content?  
(***Tick applicable box***)

YES		NO	
-----	--	----	--

- 3..1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency at 12:00 on the date of advertisement of the bid.

The relevant rates of exchange information is accessible on [www.reservebank.co.za](http://www.reservebank.co.za)

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

3. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard.

**LOCAL CONTENT DECLARATION**  
**(REFER TO ANNEX B OF SATS 1286:2011)**

**LOCAL CONTENT DECLARATION BY CHIEF FINANCIAL OFFICER OR OTHER LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY (CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)**

**IN RESPECT OF BID NO. ....**

**ISSUED BY:** (Procurement Authority / Name of Institution):  
.....

**NB**

- 1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.
- 2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on [http://www.thdti.gov.za/industrial\\_development/ip.jsp](http://www.thdti.gov.za/industrial_development/ip.jsp). Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, ..... (full names),  
do hereby declare, in my capacity as .....  
of .....(name of bidder entity), the  
following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that:
  - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and

- (c) The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E which has been consolidated in Declaration C:

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

**If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.**

**The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.**

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

**SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 1** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 2** \_\_\_\_\_

**DATE:** \_\_\_\_\_





**Form A13: CONFIDENTIALITY AND NON-DISCLOSURE AGREEMENT**

Between

**AIRPORTS COMPANY SOUTH AFRICA SOC LIMITED**  
(Registration No. 1993/004149/30)  
**("Airports Company")**

of  
Western Precinct, Aviation Park  
O.R. Tambo International Airport  
1 Jones Road  
Kempton Park  
1632

**AND**

**[NAME OF SERVICE PROVIDER]**  
(Registration No: \_\_\_\_\_)  
(“ \_\_\_\_\_ ”)

of

[Service Providers Address]

**1. INTERPRETATION**

In this agreement -

- 1.1 "confidential Information" – is information which is confidential to the disclosing party, and includes whether in written, graphic, oral, proprietary, tangible, intangible, electronic or other form, and, -
  - 1.1.1 any information in respect of know-how, formulae, statistics, processes, systems, business methods, marketing, trading and merchandising methods and information, promotional and advertising plans and strategies, pricing, financial plans and models, inventions, long-term plans, research and development data, user or consumer/



customer data and profiles, ideas, computer programmes, drawings and any other information of an confidential nature of the disclosing party, in whatever form it may be;

- 1.1.2 the contractual business and financial arrangements of the disclosing party and others with whom it has business arrangements of whatever nature;
- 1.1.3 all information peculiar to the business of the disclosing party which is not readily available to a competitor of the disclosing party in the ordinary course of business;
- 1.1.4 the fact of and content of any discussions between the disclosing party and the receiving party as well as the existence and content of any agreement, which may be concluded between the disclosing party and the receiving party;
- 1.1.5 all other matters of a confidential nature which relate to the disclosing party's business;
- 1.1.6 generally, information which is disclosed in circumstances of confidence or would be understood by the parties, exercising reasonable business judgement, to be confidential;
- 1.1.7 all information of whatsoever nature relating to the disclosing party as contemplated in 2.1 below;

but does not include information which -

- 1.1.8 is or hereafter becomes part of the public domain, otherwise than as a result of a breach or default of the receiving party or of a representative or affiliate of the receiving party;
  - 1.1.9 can be shown to have been lawfully in the possession of the receiving party or its affiliates or consultants prior to its disclosure and is not subject to an existing agreement between the disclosing party and the receiving party;
  - 1.1.10 is acquired by the receiving party independently from a third party who lawfully acquired such information without restriction and who had not previously obtained the confidential information directly or indirectly under a confidentiality obligation from the disclosing party;
  - 1.1.11 is acquired or developed by the receiving party independently of the disclosing party and in circumstances which do not amount to a breach of the provisions of this agreement;
  - 1.1.12 is disclosed or released by the receiving party to satisfy an order of a court of competent jurisdiction or to otherwise comply with the provisions of any law or regulation in force at the time or the requirements of any recognised stock exchange; provided that, in these circumstances, the receiving party shall inform the disclosing party of the requirement to disclose prior to making the disclosure and provided further that the receiving party will disclose only that portion of the confidential information which it is legally required to so disclose; and the receiving party will use its reasonable endeavours to protect the confidentiality of such information to the widest extent lawfully possible in the circumstances (and shall co-operate with the disclosing party if it elects to contest any such disclosure);
- 1.2 For the purposes of this agreement the party, which discloses confidential information, shall be referred to as "the disclosing party" and the party, which receives the confidential information, shall be referred to as "the receiving party".
- 1.3 "“affiliate” –of a Party means any person, now or hereafter existing, who directly or indirectly controls, (*holding company*) or is controlled or is under common control of such Party (subsidiary



company); a Person “controls” another person if it holds or is beneficially entitled to hold , directly or indirectly, other than by way of security interest only, more than 50% of its voting , income or capital;

- 1.4 “disclosing party” – the party disclosing confidential information in terms of this agreement and being Airports Company;
- 1.5 “receiving party” – the party receiving confidential information in terms of this agreement;
- 1.6 “the parties” – the Airports Company and \_\_\_\_\_.

## 2. **INTRODUCTION**

- 2.1 The parties intend to provide each other with certain information pertaining to their operations and the parties are in the process of discussing certain matters with a view to concluding an agreement (“the potential agreement”), which discussions have required and will require the disclosure to one another of information of a proprietary, secret and confidential nature. Whether or not the parties conclude the potential agreement will not affect the validity of this agreement.
- 2.2 If the confidential information so disclosed is used by the receiving party for any purpose other than that for which its use is authorised in terms of this agreement or is disclosed or disseminated by the receiving party to another person or entity which is not a party to this agreement, this may cause the disclosing party to suffer damages and material financial loss.
- 2.3 This agreement shall also bind the parties, notwithstanding the date of signature hereof, in the event that either party shall have disclosed any confidential information to the other party prior to date of signature hereof.
- 2.4 The parties wish to record the terms and conditions upon which each shall disclose confidential information to the other, which terms and conditions shall constitute a binding and enforceable agreement between the parties and their agents.

## 3. **USE OF CONFIDENTIAL INFORMATION**

Any confidential information disclosed by the disclosing party shall be received and used by the receiving party only for the limited purpose described in 2.1 above and for no other purpose.

## 4. **NON-DISCLOSURE**

- 4.1 THE RECEIVING PARTY undertakes that -
  - 4.1.1 it will treat the disclosing party’s confidential information as private and confidential and safeguard it accordingly;
  - 4.1.2 it will not use (except as permitted in 3 above) or disclose or release or copy or reproduce or publish or circulate or reverse or engineer and/or decompile or otherwise transfer, whether directly or indirectly, the confidential information of the disclosing party to any other person or entity; and the receiving party shall take all such steps as may be reasonably necessary to prevent the disclosing party’s confidential information falling into the hands of unauthorised persons or entities;



4.1.3 it shall not disclose the confidential information of the disclosing party to any employee, consultant, professional adviser, contractor or sub-contractor or agent of the receiving party (collectively referred to herein as "representative") or an affiliate of the receiving party, nor shall they be given access thereto by the receiving party -

4.1.3.1 unless it is strictly necessary for the purposes referred to in 2.1 above; and

4.1.3.2 the receiving party shall have procured that the representative, affiliate or consultant to whom or to which such information is disclosed or made available shall have agreed to be bound by all the terms of this agreement, and, in such event, the receiving party hereby indemnifies the disclosing party against any loss, harm or damage which it may suffer as a result of the unauthorised disclosure of confidential information by a representative, affiliate or consultant.

4.2 Any documentation or written record or other material containing confidential information (in whatsoever form) which comes into the possession of the receiving party shall itself be deemed to form part of the confidential information of the disclosing party. The receiving party shall, on request, and in any event if the discussions referred to in 2.1 above should not result in an agreement, return to the disclosing party all of its confidential information which is in physical form (including all copies) and shall destroy any other records (including, without limitation, those in machine readable form) as far as they contain the disclosing party's confidential information. The receiving party will, upon written or oral request from the disclosing party and within five (5) business days of the disclosing party's request, provide the disclosing party with written confirmation that all such records have been destroyed.

## 5. **COPIES**

5.1 The receiving party may only make such copies of the disclosing party's confidential information as are strictly necessary for the purpose and the disclosures which are not in breach of this agreement and authorised in terms of this agreement. The receiving party shall clearly mark all such copies as "Confidential".

5.2 At the written request of the disclosing party, the receiving party shall supply to the disclosing party a list showing, to the extent practical –

5.2.1 where copies of the confidential Information are held;

5.2.2 copies that have been made by the receiving party (except where they contain insignificant extracts from or references to confidential information) and where they are held; and

5.2.3 the names and addresses of the persons to whom confidential information has been disclosed and, if applicable, a copy of the confidentiality undertaking signed by such persons complying with the provisions of this agreement.

## 6. **THE USE OF THE COMPANY'S INTELLECTUAL PROPERTY**

6.1 The receiving party shall not use any intellectual property of the Company (including trademarks, service marks, logos, slogans, trade names, brand names and other indicia of origin) (collectively, the "Company IP") for any reason whatsoever without first obtaining the Company's prior written consent which consent the Company shall be entitled to grant solely at its own discretion.

6.2 If the receiving party requires the use of such Company IP, a request must be sent to the Brand Custodians Office, via email to [brandcustodian@airports.co.za](mailto:brandcustodian@airports.co.za). Each single request by the same receiving party shall be treated as a new request.

6.3 Should the Company provide its consent in terms of clause 6.1 above, the receiving party shall comply with the Company's policies and standards with regard to the use of the Company IP. Such policies and standards shall be communicated to the receiving party at the time the Company grants the consent to the receiving party.



- 6.4 Failure to adhere to the provisions of this clause 6 or the policies, brand requirements and protocols that will be communicated by the Brand Custodians Office to the receiving party, shall result in the penalty equal to the value of 2% (two per cent) of the receiving party's annual turnover in the financial year in which the aforesaid failure occurred.

## 7. **DURATION**

- 7.1 Subject to Clause 2.3 this agreement shall commence or shall be deemed to have commenced on the date of signature of this agreement by the last party to sign the agreement.
- 7.2 This agreement shall remain in force for a period of **5** years ("the term"), or for a period of one (1) year from the date of the last disclosure of confidential information to the receiving party, whichever is the longer period, whether or not the parties continue to have any relationship for that period of time.

## 8. **Title**

- 8.1 All confidential information disclosed by the disclosing party to the receiving party is acknowledged by the receiving party:

8.1.1 to be proprietary to the disclosing party; and

8.1.2 not to confer any rights to the receiving party of whatever nature in the confidential information.

## 9. **RELATIONSHIP BETWEEN THE PARTIES**

- 9.1 The disclosing party is not obliged, by reason of this agreement, to disclose any of its confidential information to the receiving party or to enter into any further agreement or business relationship with the receiving party. Nothing herein shall imply or create any exclusive relationship between the Parties or otherwise restrict either Party from pursuing any business opportunities provided it complies at all times with the non-disclosure obligations set forth herein
- 9.2 The disclosing party retains the sole and exclusive ownership of intellectual property rights to its confidential information and no license or any other interest in such confidential information is granted in terms hereof or by reason of its disclosure.
- 9.3 The termination of the discussions referred to in 2.1 above shall not release the parties from the obligations set out in this agreement.

## 10. **ENFORCEMENT, GOVERNING LAWS AND JURISDICTION**

- 10.1 This agreement shall be governed by and interpreted according to the laws of the Republic of South Africa, without reference to the choice of laws' provisions of the Republic of South Africa. In the event of a conflict between or inconsistency in the laws applicable in the various provinces of the Republic of South Africa, the law as applied and interpreted in the Gauteng Province shall prevail.
- 10.2 The parties irrevocably submit to the exclusive jurisdiction of the High Court of South Africa, Witwatersrand Local Division, in respect of any action or proceeding arising from this agreement.
- 10.3 The parties agree that, in the event of a breach of this agreement, monetary damages would not be an adequate remedy. In the event of a breach or threatened breach of any provisions

of this agreement by the receiving party, the disclosing party (and/or its relevant affiliate) shall be entitled to injunctive relief in any court of competent jurisdiction and the receiving party shall reimburse the disclosing party for any costs, claims, demands or liabilities arising directly or indirectly out of a breach. Nothing contained in this agreement shall be construed as prohibiting a party or its affiliate from pursuing any other remedies available to it for a breach or threatened breach.

- 10.4 The failure by the disclosing party to enforce or to require the performance at any time of any of the provisions of this agreement shall not be construed to be a waiver of such provision, and shall not affect either the validity of this agreement or any part hereof or the right of the disclosing party to enforce the provisions of this agreement.

## 11. **DOMICILIUM**

- 11.1 The parties choose as their *domicilium* the addresses indicated in the heading to this agreement for the purposes of giving any notice, the payment of any sum, the serving of any process and for any other purpose arising from this agreement.
- 11.2 Each of the parties shall be entitled from time to time, by written notice to the other, to vary its domicilium to any other address which is not a post office box or poste restante.
- 11.3 Any notice required or permitted to be given in terms of this agreement shall be valid and effective only if in writing.
- 11.4 Any notice given and any payment made by one party to the other ("the addressee") which:
- 11.4.1 is delivered by hand during the normal business hours of the addressee at the addressee's domicilium for the time being shall be presumed, until the contrary is proved, to have been received by the addressee at the time of delivery;
- 11.4.2 is posted by prepaid registered post from an address within the Republic of South Africa to the addressee at the addressee's domicilium for the time being shall be presumed, until the contrary is proved, to have been received by the addressee on the fourth day after the date of posting;
- 11.4.3 is transmitted by facsimile to the addressee's receiving machine shall be presumed, until the contrary is proved, to have been received within one (1) hour of transmission where it is transmitted during normal business hours or, if transmitted outside normal business hours, within one (1) hour of the resumption of normal business hours on the next normal business day.

## 12. **GENERAL**

- 12.1 No party shall be bound by any representation, warranty, undertaking, promise or the like not recorded in this agreement.
- 12.2 No addition to, variation or agreed cancellation of this agreement shall be of any force or effect unless in writing and signed by or on behalf of the parties.



- 12.3 Any indulgence which either party may show to the other in terms of or pursuant to the provisions contained in this agreement shall not constitute a waiver of any of the rights of the party which granted such indulgence.
- 12.4 The parties acknowledge that this agreement and the undertakings given by it in terms hereof are fair and reasonable in regard to their nature, extent and period and go no further than is reasonably necessary to protect the interests of the parties.
- 12.5 The parties hereby confirm that they have entered into this agreement with full and clear understanding of the nature, significance and effect thereof and freely and voluntarily and without duress.
- 12.6 Neither party shall have the right to assign or otherwise transfer any of its rights or obligations under this agreement.
- 12.7 This agreement may be executed in several counterparts that together shall constitute one and the same instrument.
- 12.8 In this agreement, clause headings are for convenience and shall not be used in its interpretation.
- 12.9 Each clause of this agreement is severable, the one from the other and if any one or more clauses are found to be invalid or unenforceable, that clause shall not affect the balance of the clauses which shall remain in full force and effect.

**SIGNED at** \_\_\_\_\_ **on** \_\_\_\_\_ **day of** \_\_\_\_\_ **202**\_\_\_\_\_

**AIRPORTS COMPANY SOUTH AFRICA SOC LIMITED**  
the signatory warranting that he is duly authorised thereto.

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

**AS WITNESSES**

1. \_\_\_\_\_

2. \_\_\_\_\_

**SIGNED at** \_\_\_\_\_ **on** \_\_\_\_\_ **day of** \_\_\_\_\_ **202**\_\_\_\_\_

**[NAME OF SERVICE PROVIDER]**  
the signatory warranting that s/he is duly authorised thereto.

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

**AS WITNESSES**

1. \_\_\_\_\_



2. \_\_\_\_\_



## Form B1 to Form B5: Certificates

Attach the following Certificates to this page:

- B1:** Proof of registration for Contractor's WCA registration or COID
- B2:** An original Certificate of Contractor Registration issued by the Construction Industry Development Board (CIDB)
- B3:** SARS Pin issued by the South African Revenue Services
- B4:** An original Bank Statement of good financial standing. (This document shall include a Bank Rating for the tender sum as indicated below)
- B5:** Central Supplier Database (CSD) proof of registration with Supplier number (MAAA) and Unique registration number

Bank Report on : *(Tenderers Name)*  
 Account No :  
 Bank :  
 Branch Code :  
 Amount : *(Tender Value)*  
 Duration : +/- **12 MONTHS** (excluding special non-working days)

**BUSINESS POTENTIAL CODE (MARK X AGAINST APPLICABLE CLASSIFICATION)**

( )	A	UNDOUBTED FOR INQUIRY
( )	B	GOOD FOR AMOUNT QUOTED
( )	C	GOOD FOR AMOUNT QUOTED IF STRICTLY IN WAY OF BUSINESS
( )	D	FAIR TRADE RISK
( )	E	FIGURE CONSIDER TOO HIGH
( )	F	FINANCIAL POSITION UNKNOWN
( )	G	OCCASIONALLY DISHONoured
( )	H	FREQUENTLY DISHONoured

## Form C1: Compulsory Enterprise Questionnaire

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

**Section 1: Name of enterprise:**

**Section 2: VAT registration number, if any:**

**Section 3: CIDB registration number, if any:**

**Section 4: CSD number:**

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

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

**Section 6: Particulars of companies and close corporations**

Company registration number:

Close corporation number:

Tax reference number:

**Section 7: SBD4 issued by National Treasury must be completed for each tender and be attached as a tender requirement.**

**Section 8: SBD 6 issued by National Treasury must be completed for each tender and be attached as a tender requirement.**

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

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

Signed		Date	
Name		Position	
Enterprise name			

## Form C2: Proposed Domestic Subcontractors

We notify you that it is our intention to employ the following Subcontractors for work in this contract.

If we are awarded a contract, we agree that this notification does not change the requirement for us to submit the names of proposed Subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

	<b>Name and address of proposed Subcontractor</b>	<b>Nature and extent of work</b>	<b>Previous experience with Subcontractor.</b>
<b>1.</b>			
<b>2.</b>			
<b>3.</b>			
<b>4.</b>			
<b>5.</b>			

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			

**Form C4 SUBCONTRACTOR SUPPORT DOCUMENT REQUIREMENTS****List supporting documents required for subcontractor:**

- Subcontracting Agreement between Main Contractor and Subcontract specifying percentage that will be set aside for the subcontract and the scope of work that will be executed by the subcontract.
- Proof of registration with Central Supplier Database form
- CIPC certificate
- Share Certificate
- Valid BBBEE Certificate.
- CIDB Certificate.

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			

## Form C5: Plant and Equipment

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

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

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

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

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

Signed		Date	
Name		Position	
Tenderer			

**FORM C6: A certified copy of B-BBEE Verification Certificate**

1. Valuation of preference points is based on tenderer's B-BBEE verification certificate for Construction Sector:
  - a) The certificate shall have been issued by:
    - i. A verification agency accredited by South African National Accreditation System (SANAS);
    - ii. A registered auditor approved by the Independent Regulatory Board of Auditors (IRBA);
  - b) The verification certificate must be valid at the tender closing date
  - c) Failure to submit a valid verification certificate will result in the award of zero (0) points for preference.
2. In the event of a Joint Venture (JV), a consolidated B-BBEE verification certificate in the name of the JV shall be submitted.
  - a) The verification certificate shall identify:
    - i. The name and *domicilium citandi et executandi* of the tenderer
    - ii. The registration and VAT number of the tenderer
    - iii. The dates of granting of the B-BBEE score and the period of validity
    - iv. The expiry date of the verification certificate
    - v. A unique identification number
3. The standard and/or normative document, including the issue and/or revision used to evaluate the tenderer:
  - a) The name and/or mark/logo of the B-BBEE verification agency.
  - b) The scorecard (GENERIC, QSE, EME) against which the tenderer has been verified.
  - c) The B-BBEE status level
  - d) The SANAS or IRBA logo on the verification certificate.
  - e) The B-BBEE procurement recognition level.
  - f) The score achieved per B-BBEE element.
  - g) The % black shareholding.
  - h) The % black woman shareholding.
  - i) The % black persons with disabilities.
4. ACSA will not be responsible to acquire data that it needs for its own reporting systems and which may not form part of a verification agency's standard certificate format. The tenderer, at its own cost, must acquire the specified data listed in 3 above from its selected verification agency and have it recorded on the certificate.

Alternatively, such missing data must be supplied separately, but certified as correct by the same verification agency and also submitted. Failure to abide by this requirement will result in such a tenderer scoring zero (0) preference.

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			

## FORM C7. The CV's of key personnel

Bidders are referred to **clause C.3.11** which indicates the maximum possible score for information requested under this schedule.

### Commitment to the Project

The undersigned commits himself / herself to the overall project. He/she does not intend to cancel his/her contract or to leave the company which employs him/her within the overall duration of this project. Should the person stated above not be available for the Contract (for a *bona fide* reason), a person of at least the same experience and qualifications will need to be submitted for approval prior to taking up the position.

**Note: When completing the above schedule, Tenderer's must be cognisant of the evaluation criteria as described in the Tender Data, Clause C3.11**

As an employee of Company \_\_\_\_\_ i hereby consent / do not consent to the use of my personal and professional information for the purposes of this bid ONLY, and shall remain confidential according to the POPIA ACT Protection of Personal Information Act, No 4 of 2013 (POPIA), particularly section 20 and 21

Employee Name and Surname: \_\_\_\_\_

Employee Designation: \_\_\_\_\_

Employee # \_\_\_\_\_

Signed		Date	
Name		Position	
Tenderer			

**FORM C8: Certified Copies of Qualifications for Key Personnel.**

**\*Please print one/set page/s for each resource required for this bid document**

Please attach certified copies of Qualifications of Key Personnel as listed under Form C7 above to this page.

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			



**Form C9: Work Plan and Proposed Methodology**

Please add proposed Methodology statement here. Including any LEAN solutions and/or best practice ideology for this project – best in class or best in world ethos.

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			

**Form C10. Occupational Health and Safety Questionnaire**

1.	SHE POLICY, ORGANISATION AND MANAGEMENT INVOLVEMENT	YES	NO
1.1	Do you have a SHE Policy?		
	Is this signed by the senior executive?		
	Please supply copy of this policy		
1.2	Does a She structure exist in your company?		
	Please provide details		
1.3	Are senior and middle management actively involved in the promotions of SHE?		
	Please provide details e.g.		
	<ul style="list-style-type: none"> <li>Periodical work area inspection</li> <li>Regular Health and Safety meetings with personnel</li> </ul>		
1.4	Are the SHE responsibilities of managers clearly defined?		
	Please provide details		
1.5	Are annual SHE objectives included in your business plan?		
	Please provide example		
1.6	Is your company registered with the Compensation Commissioner? (COLD Act)?		
	If so, please provide registration number		
1.7	Do you have a copy of good standing certificate, confirming that your registration is paid up?		
	If so, please provide copy thereof		
2.	SHE TRAINING	YES	NO
2.1	Is training provided to employees at the following stages?		
	<ul style="list-style-type: none"> <li>When joining the company</li> <li>When changing jobs within the company</li> <li>When new plant or equipment needs to be operated</li> </ul>		
	As a result of experience of and feedback from an accident/ incident reports		
	Are you able to provide proof of specialist training provided?		
	Please state how this can be achieved		
2.2	What formal SHE training is provided specifically to		
	<ul style="list-style-type: none"> <li>First line supervisors</li> </ul>		
	Middle and top management		
	Please describe		
2.3	Are all employees (including sub-contractors) instructed as to the application of rules and regulations?		
	When is this done and how is it achieved?		
2.4	Does this training include the selection, use and care of personal protective equipment?		
2.5	What refresher training is provided and at what intervals?		
	Please list examples		

	Course Title	Target audience	Interval		
2.6	Has the person(s) allocated as your SHE advisor followed specific SHE training?				
	Please list most recent courses				
	Does this include refresher training?				
<b>3.</b>	<b>PURCHASE OF GOODS, MATERIALS AND SERVICES</b>			<b>YES</b>	<b>NO</b>
3.1	Do you have a system for establishing SHE specifications as part of the assessment of goods, materials and services?				
	Please describe				
3.2	Do you have a system which ensures that all statutory inspection of plant and equipment are carried out?				
	Please give examples of plant /equipment covered				
3.3	Is there record of inspection?				
	Where is it kept?				
	Are you able to supply copies of these inspection records if required?				
3.4	How is plant and equipment, which has been inspected identifies as being safe to use?				
3.5	Do you evaluate the SHE competence of all sub-contractors?				
	Please describe how this is achieved and how the results are monitored				
<b>4.</b>	<b>SHE INSPECTIONS</b>			<b>YES</b>	<b>NO</b>
4.1	Are periodic work inspections carried out by first line supervisors or your General Safety Regulation 11(1) appointee?				
4.2	Are records of these inspections kept and available?				
4.3	During the inspections are supervisors required to check that safety rules and regulations (including personal protective equipment) are adhered to?				
4.4	Are unsafe acts and conditions reported and remedial actions formally monitored?				
	Please provide examples of the above				
<b>5.</b>	<b>RULES AND REGULATIONS</b>			<b>YES</b>	<b>NO</b>
5.1	Do health and safety rules and regulations exist for personnel and sub-contractors?				
	Do these cover				
	<ul style="list-style-type: none"> <li>• General rules</li> </ul>				
	<ul style="list-style-type: none"> <li>• Project rules</li> </ul>				
	<ul style="list-style-type: none"> <li>• Specific task rules</li> </ul>				
5.2	Do these rules include permit to work system (as applicable)				
5.3	Do you have experience of project SHE plans?				
	Please give examples of where these have been used				

5.4	Do you have a formal company guideline for holding pre-contract health and safety meetings with the client?			
<b>6</b>	<b>RISK MANAGEMENT</b>		<b>YES</b>	<b>NO</b>
6.1	Have the following, involved in the execution of your work, been identified?			
	<ul style="list-style-type: none"> <li>Hazards affecting health and safety?</li> </ul>			
	<ul style="list-style-type: none"> <li>The groups of people who might be affected?</li> </ul>			
	<ul style="list-style-type: none"> <li>An evaluation of the risk from each significant hazard?</li> </ul>			
	<ul style="list-style-type: none"> <li>Whether the risks arising are adequately controlled?</li> </ul>			
6.2	Are these findings and assessments recorded?			
6.3	How often are they reviewed?			
	Please list the time frame e.g.    years			
6.4	For what processes/risk is personal protective equipment issued?			
	Process/Risk	Type of PPE		
	Do you have a copy of the issue lists for PPE available on request?			
<b>7</b>	<b>EMERGENCY ARRANGEMENTS</b>		<b>YES</b>	<b>NO</b>
7.1	How do you manage your arrangements for dealing with emergencies?			
	Are these communicated to your sub-contractors?			
7.2	What provision have you made for first aid?			
	E.g. Trained First Aiders			
7.3	What training do you provide to employees in Safety/Fire Fighting?			
	Please list institutions used for these training			
<b>8</b>	<b>RECRUITMENT OF PERSONNEL</b>		<b>YES</b>	<b>NO</b>
8.1	Are health and Safety factors considered when hiring personnel?			
8.2	Are medical examinations carried prior to employment?			
	In all cases			
	Where type of work requires medical examination			
8.3	Do you cover exit medical examination?			
8.4	How do you assess the competence of staff before an appointment is made?			
	E.g. Via trade testing, reference checks			
<b>9.</b>	<b>REPORTING AND INVESTIGATION OF ACCIDENTS, INCIDENTS AND DANGEROUS CONDITIONS</b>		<b>YES</b>	<b>NO</b>
9.1	Do you have a procedure for reporting, investigating and recording accidents and incidents?			
	Please supply a copy			

9.2	Is there a standard report/investigation form used?				
	Please supply a copy				
9.3	Do you have a formal system for reporting situations/near misses etc.?				
	Please provide a copy				
9.4	Please provide the following statistic for the last five years				
		<b>YEAR1</b>	<b>YEAR 2</b>	<b>YEAR 3</b>	<b>YEAR 4</b>
	Lost time accidents per 100 employees				
	Major/ Reportable injuries per 100 employees				
	Number of dangerous occurrences				
	Lost man day due to accidents				
<b>10</b>	<b>HEALTH AND SAFETY COMMUNICATION AND CONSULTATION</b>				<b>YES</b> <b>NO</b>
10.1	Are Health and Safety Committee meetings held between management and appointed Health and Safety representatives?				
10.2	Are the results of these meetings communicated to all employees?				
	If Yes please describe method				
10.3	Are Health and Safety meetings held?				
	At what frequency?				
	Chaired by whom?				
10.4	Do you carry out SHE promotions / campaigns?				
	If Yes please provide examples				

The following documentation should also be provided with the tender:

1. **Management Structure including organogram**
2. **Human Resource Plan**
3. **Letter of Good Standing from the Compensation Commissioner or licensed compensation insurer**
4. **COLD Insurance**

### **Declaration**

I/we .....declare that the above information provided is correct.

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			

**Form C11: Schedule of Information to be provided by Tenderer**

<b>1.</b>	<b>Company details:</b>	Registered Address: Contact Person: Telephone: Fax:
<b>2.</b>	<b>Shareholders</b>	Names/Percentages of holdings:
<b>3.</b>	<b>Bankers</b>	Name of Account Holder : Bank: Branch: Account Number: Bank and branch contact details:
<b>4.</b>	<b>Turnover</b>	Approximate turnover for each of the past three years: 2020: ..... 2021: ..... 2022/3: .....
<b>5.</b>	<b>Management and Manpower Resources</b>	Supervisors: ..... Labourers: ..... Other: .....  Name of Supervisor to be allocated to this contract: .....
<b>6.</b>	<b>Construction Equipment (Value in R)</b>	Equipment owned by Company: ..... Own workshop/stores (location): .....

Signed		Date	
Name		Position	
Tenderer			

**Form C12: Proposed Amendments and Qualifications**

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter to his tender and reference such letter in this schedule.

The Tenderer's attention is drawn to clause C.3.8 of the Standard Conditions of Tender referenced in the Tender Data regarding the employer's handling of material deviations and qualifications.

Page	Clause item	or	Proposal

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			

## Form C13: JV Agreement

(Bidder to attach agreement/Memorandum of Understanding between the party/s.)

Indicate the type of tendering structure by marking with an X where applicable:

<b>Unincorporated Joint Venture (registration number for each member of the JV)</b>	
<b>Incorporated JV</b>	

**Please complete the following:**

Name of lead partner/member of JV	
CIPC Registration Number Please submit as <ul style="list-style-type: none"> <li>Incorporated: Consolidated in the JV entity name</li> <li>Unincorporated: Individual entities</li> </ul>	
VAT Registration number Please submit as <ul style="list-style-type: none"> <li>Incorporated: Consolidated in the JV entity name</li> <li>Unincorporated: Individual entities</li> </ul>	
CIDB Registration number Please submit as <ul style="list-style-type: none"> <li>Incorporated: Consolidated in the JV entity name</li> <li>Unincorporated: Individual entities</li> </ul>	
Shareholding organogram breakdown (for each individual company / JV member) clearly identifying percentages owned by individual shareholders (full names and ID numbers) and other entities (provide full legal/trading name and respective identifying registration / trust members)	
BBEE Certificate: Please submit as <ul style="list-style-type: none"> <li>Incorporated: Consolidated in the JV entity name</li> <li>Unincorporated: Individual entities</li> </ul>	
CSD Report: Please submit as <ul style="list-style-type: none"> <li>Incorporated: Registered on CSD as the JV entity</li> <li>Unincorporated: Individual Entities</li> </ul>	
Letter of Good Standing: Please submit as <ul style="list-style-type: none"> <li>Individual entities</li> </ul>	
Contact Person	
Telephone number	
E-mail address	
Postal address (also each member of the JV)	
Physical Address (also each member of the JV)	



**Form C13: CIDB - CONSTRUCTION INDUSTRY DEVELOPMENT BOARD**

Tenderer to insert proof of a valid CIDB grading.

Note: CIDB of the lead Partner in a JV must be equivalent to or higher than the Grading required by this Bid.

**Form C14: POPIA ANNEXURE:****CONFIDENTIALITY AND DATA PROTECTION**

Save as provided in this clause (*Confidentiality and Data Protection*), each Party shall, and shall procure that its Affiliate and their respective officers, directors, employees, agents, auditors and advisors shall, treat as confidential all information relating to the other Party or its Affiliates thereof or relating to their respective businesses that is of a confidential nature and which is obtained by that Party in terms of, or arising from the implementation of this Agreement, which may become known to it by virtue of being a Party, and shall not reveal, disclose or authorise the disclosure of any such information to any third party or use such information for its own purpose or for any purposes other than those related to the implementation of this Agreement.

The obligations of confidentiality in this clause shall not apply in respect of the disclosure or use of such information in the following circumstances:

in respect of any information which is previously known by such Party (other than as a result of any breach or default by any Party or other person of any agreement by which such Confidential Information was obtained by such Party);

in respect of any information which is in the public domain (other than as a result of any breach or default by either Party);

any disclosure to either Party's professional advisors, executive staff, board of directors or similar governing body who (i) such Party believes have a need to know such information, and (ii) are notified of the confidential nature of such information and are bound by a general duty of confidentiality in respect thereof materially similar to that set out herein;

any disclosure required by law or by any court of competent jurisdiction or by any regulatory authority or by the rules or regulations of any stock exchange;

any disclosure made by a Party made in accordance with that Party's pursuit of any legal remedy;

any disclosure by a Party to its shareholders or members pursuant to any reporting obligations that Party may have to its shareholders or members, provided that each such shareholder or member is notified of the confidential nature of such information and is bound by a general duty of confidentiality in respect thereof materially similar to that set out herein;

In the event that a Party is required to disclose confidential information as contemplated in this clause, such Party will:

advise any Party/ies in respect of whom such information relates (the "**Relevant Party/ies**") in writing prior to disclosure, if possible;

take such steps to limit the disclosure to the minimum extent required to satisfy such requirement and to the extent that it lawfully and reasonably can;

afford the Relevant Party/ies a reasonable opportunity, if possible, to intervene in the proceedings;

comply with the Relevant Party/ies' reasonable requests as to the manner and terms of such disclosure; and

notify the Relevant Party/ies of the recipient of, and the form and extent of, any such disclosure or announcement immediately after it was made.

Either Party may, by notice in writing, be entitled to demand the prompt return of the whole or any part of any confidential information supplied by it to the other Party, and each Party hereby undertakes to comply promptly with any such demand.

In line with the provisions of Protection of Personal Information Act, No 4 of 2013 (POPIA), particularly section 20 and 21, the service provider (referred to as Operator in POPIA) shall observe the following principles when processing personal information on behalf of the Company (referred to as Responsible Party in POPIA):

the Service Provider shall only act on the Company's documented instructions, unless required by law to act without such instructions;

the Service Provider shall ensure that its representatives processing the information are subject to a duty of confidence;

the Service Provider shall take appropriate measures to ensure the security of processing. The Service Provider shall ensure and hereby warrants that they have minimum IT and or physical security safeguard to protect personal information;

the Service Provider shall notify the Company immediately where there are reasonable grounds to believe that the personal information of a data subject has been accessed or acquired by any unauthorised person;

the Service Provider shall only engage a sub-operator with the Company's prior authorisation and under a written contract;

the Service Provider shall take appropriate measures to help the Company respond to requests from data subjects to exercise their rights;

taking into account the nature of processing and the information available, the Service Provider shall assist the Company in meeting its POPIA obligations in relation to the security of processing, the notification of personal information breaches and data protection impact assessments;

the Service Provider shall delete or return all personal information to the Company (at the Company's choice) at the end of the contract, and the service provider shall also delete existing personal information unless the law requires its storage; and

the Service Provider shall submit to audits and inspections. The Service Provider shall also give the Company whatever information it needs to ensure that the Parties meet their Section 20(1) obligations.

**1. SIGNATURES**

**FOR AIRPORTS COMPANY SOUTH AFRICA**

THUS DONE AND SIGNED AT \_\_\_\_\_ ON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 2024

\_\_\_\_\_

**FOR SERVICE PROVIDER**

THUS DONE AND SIGNED AT \_\_\_\_\_ ON THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 2024

AUTHORIZED SIGNATORY \_\_\_\_\_

**C15 - Certified I.D for Directors/Trustees /Members/Shareholders and Senior management of the bidding entity.**

<b>Signed</b>		<b>Date</b>	
<b>Name</b>		<b>Position</b>	
<b>Tenderer</b>			

Tel +27 11 723 1400 Fax +27 11 453 9354  
 The Maples, Riverwoods, 24 Johnson Road,  
 Bedfordview, Gauteng, South Africa, 2008  
 P O Box 75480, Gardenvue,  
 Gauteng, South Africa, 2047  
 www.airports.co.za

Airports Company South Africa SOC Ltd  
 Reg No 1993/004149/30 VAT No 4930138393



**PROJECT NUMBER: KSIA7286/2023/RFP**

**TITLE OF PROJECT: CONTRACTOR APPOINTMENT FOR REPLACEMENT OF THE FIRE DETECTION SYSTEM FOR A PERIOD OF 30 MONTHS AT KING SHAKA INTERNATIONAL AIRPORT**

### **NEC 3: ENGINEERING AND CONSTRUCTION CONTRACT (ECC)**

**Between AIRPORTS COMPANY SOUTH AFRICA SOC LIMITED**

**Applicable at KING SHAKA INTERNATIONAL AIRPORT.**

(Registration Number: 1993/004149/30)

and

(Registration Number: )

for **CONTRACTOR APPOINTMENT FOR REPLACEMENT OF THE FIRE DETECTION SYSTEM AT KING SHAKA INTERNATIONAL AIRPORT**

<b>Contents:</b>	<b>No of pages</b>
Part C1      Agreements & Contract Data	[2 of 56]
Part C2      Pricing Data	[25 of 56]
Part C3      Scope of Works	[29 of 56]
Part C4      Site Information	[54 of 56]

## **VOLUME 2**

**NAME OF BIDDER: .....**

## 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

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.

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 **Contractor** under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the Contract Data.

#### THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VAT IS:

The offered total of the Prices exclusive of VAT is	R
Value Added Tax @ 15% is	R
The offered total of the Prices inclusive of VAT is	R
In words	

#### 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 **Contractor** in the conditions of contract identified in the Contract Data.

Signature(s)

Name(s)

Capacity

## For the Bidder:

Name & signature of witness *(Insert name and address of organisation)* \_\_\_\_\_ 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 **Contractor** 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.

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  
 Part C4 Site Information

and drawings and documents (or parts thereof), which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the 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 one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the tenderer (now **Contractor**) 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, 1 Canelands Drive, MSO Administration Building La Mercy,  
4407

Name signature witness	& of	(Insert name and address of organisation)	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.

**For the Employer****For the Bidder**

Signature (s)

Name (s)

Capacity

**Name and Address**     **Airports Company South Africa SOC Limited**  
**1 Canelands Drive,**  
**Administration Office MSO Building**  
**King Shaka International Airport**  
**La Mercy, 4407**

Name & Signature of witness     *(Insert name and address of organisation)*

*(Insert name and address of organisation)*

Date

**Part one – Data provided by the Employer**

The Conditions of contract are selected from the NEC3 Engineering and Construction Contract, April 2013.

Each item of data given below is cross-referenced to the NEC3 Engineering Construction Contract which requires it.

Clause	Statement	Data
<b>1</b>	<b>General</b>	
	The <i>conditions of contract</i> are the core clauses and the clauses for Main Option	
	Main Option	<b>B: Priced contract with Bill of Quantities</b>
	Dispute resolution Option	<b>W1: Dispute resolution procedure</b>
	Secondary Options (incorporating amendments)	<b>X2: Changes in the law</b>
		<b>X4: Parent company guarantee</b>
		<b>X7: Delay damages</b>
		<b>X13: Performance Bond</b>
		<b>X18: Limitation of liability</b>
		<b>Z: Additional conditions of contract</b>
		of the NEC3 Engineering and Construction Contract, April 2013
10.1	The <i>Employer</i> is (Name)	Airports Company South Africa SOC Limited, Applicable at King Shaka International Airport

Address Airports Company South Africa SOC Limited  
1 Canelands Drive,  
Administration Office MSO Building  
King Shaka International Airport  
La Mercy, 4407

Telephone 032 436 6000  
Fax 032 436 6672

---

10.1 The *Project Manager* is Katlego Mabua

Address Airports Company South Africa  
1 Canelands Drive  
Office 23, MB3 Maintenance Building  
La Mercy, 4407

Telephone 032 436 6051  
E-mail address [Katlego.Mabua@airports.co.za](mailto:Katlego.Mabua@airports.co.za)

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10.1 The *Supervisor* is TBA

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Address Airports Company South Africa  
1 Canelands Drive  
MSO Administration Building  
La Mercy, 4407

Telephone TBA  
Fax TBA  
Email [TBA](#)

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11.2 The *works* are Replacement of the Fire Detection System at King Shaka International Airport.

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11.2 The following matters will be included in the Risk Register

- Availability of As Built information
- Access to Site
- Site Constraints and Constructability
- Covid-19 Protection and Transmission Mitigation
- Long lead time of fire detection items

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11.2 The *Works Information* is in Part C3 'Scope of Works' section of this contract

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11.2 The *Site Information* is in Part C4 'Site Information' section of this contract

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11.2	The <i>boundary of the site</i> is	The boundary of King Shaka International Airport
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa
13.1	The <i>language of this contract</i> is	English
13.3	The <i>period of reply</i> is	Seven (7) days
<b>3</b>	<b>Time</b>	
31.2	The <i>starting date</i> is	TBC
11.2	The <i>completion date</i> is	TBC
30.1	The <i>access date</i> is	TBC
31.1	The <i>Contractor</i> submits a first (preliminary) programme with the tender by the tender closing date	Two (2) weeks after the <i>access date</i>
32.2	The <i>Contractor</i> submits revised programmes at intervals no longer than	Four (4) weeks
35.1	The <i>Employer</i> is not willing to take over the works before the <i>completion date</i>	The <i>Employer</i> and Others will have access to the <i>works</i> during construction or prior to completion. Such access by the Employer and Others shall not relieve the <i>Contractor</i> from liability for the completion of the <i>works</i> in accordance with the Works Information and in terms of this contract.
<b>4</b>	<b>Testing and Defects</b>	
42.2	The <i>defects date</i> is	Twelve (12) months after Completion of the whole of the <i>works</i>
43.2	The <i>defects correction period</i> is	Two (2) weeks
<b>5</b>	<b>Payment</b>	
50.1	The <i>assessment interval</i> is	Four (4) weeks, on the 14 <sup>th</sup> working day of each successive month
50.1	The <i>currency of this contract</i> is the	South African Rand
51.2	The period within which payment is made is	Four (4) weeks
51.4	The <i>interest rate</i> is	The prime lending rate of the Nedbank Bank. as determined from time to time
<b>6</b>	<b>Compensation events</b>	

60.1	The <i>weather measurements</i> to be recorded for each calendar month are	the cumulative rainfall (mm) the number of days with rainfall more than 10 mm the number of days with minimum air temperature less than 0 degrees Celsius			
60.1	The place where weather is to be recorded (on the Site) is	At the Construction Site Office and the records to be kept on site in a file clearly marked for this purpose			
60.1	Assumed values for the ten-year return <i>weather data</i> for each <i>weather measurement</i> for each calendar month are	Month	Days	Month	Days
		January	1	July	4
		February	1	August	3
		March	2	September	2
		April	2	October	2
		May	3	November	2
		June	3	December	1
7	Title	No data required for this section of the <i>conditions of contract</i>			
8	Risks and Insurance				
84.1	The <i>Employer</i> provides these insurances	Refer to the Insurance Clauses which is attached at the end of the Contract Data			
84.2	The <i>Contractor</i> provides the insurance stated in	The Insurance Clauses which is attached at the end of the Contract Data. The insurances are in the joint names of the Parties and provide cover for events which are at the Contractor's risk from the starting date until the Defects Certificate or a termination certificate has been issued.			
	The minimum limit of indemnity for insurance in respect of death of or bodily injury to employees of the Contractor arising out of and in the course of their employment in connection with this contract for any one event is:	As prescribed by the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993			
9	Termination	No data required for this section of the <i>conditions of contract</i>			
10	Data for Main Options				
B	Priced contract with Bill of Quantities				
11	Data for Option W1				
W1.1	The <i>Adjudicator</i> is	The person appointed jointly by the parties from the list of adjudicators contained below			
W1.2	The <i>Adjudicator nominating body</i> is	The current Chairman of Johannesburg Advocate's Bar Council			
W1.4	The <i>tribunal</i> is	Arbitration			

W1.4	If the <i>tribunal</i> is arbitration, the arbitration procedure is	The <i>arbitration procedure</i> is set out in The Rules for the Conduct of Arbitrations 2013 Edition, 7th Edition, published by The Association of Arbitrators, (Southern Africa)
W1.4	The place where arbitration is to be held is	Johannesburg, South Africa.
W1.4	The person or organisation who will choose an arbitrator	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 arbitration procedure does not state who selects an arbitrator. The Arbitrator nominating body is the Chairman of the Johannesburg Advocates Bar Council.

## 12 Data for Secondary Option Clauses

### X7 Delay Damages

X7.1 Delay damages for late completion of the sections of the *works* are:

Phase	Description	Amount per day
1	Start-up	0.4167% of contract value per day
2	Full completion and handover of Fuel Farm	0.4167% of contract value per day
3	Full completion and handover of Fuel Forward Depot	0.4167% of contract value per day
4	Full completion and handover of Airfield Substation 1	0.4167% of contract value per day
5	Full completion and handover of Airfield Substation 2	0.4167% of contract value per day
6	Full completion and handover of Airfield Substation 3	0.4167% of contract value per day
7	Full completion and handover of Airfield Substation 3	0.4167% of contract value per day
8	Full completion and handover of AG1, AG2, AG3	0.4167% of contract value per day
9	Full completion and handover of Crash Fire Rescue	0.4167% of contract value per day
10	Full completion and handover of ATNS/SAWS Control Tower	0.4167% of contract value per day
11	Full completion and handover of Cooling Tower	0.4167% of contract value per day

12	Full completion and handover of Multi-storey Parking and Offices	0.4167% of contract value per day
13	Full completion and handover of Terminal Building Basement	0.4167% of contract value per day
14	Full completion and handover of Terminal Building Arrivals	0.4167% of contract value per day
15	Full completion and handover of Terminal Building Departures	0.4167% of contract value per day
16	Full completion and handover of Arrivals Ceiling Void	0.4167% of contract value per day
17	Full completion and handover of Terminal Building Arrivals Mezz Corridor	0.4167% of contract value per day
18	Full completion and handover of Terminal Building Departures Corridor	0.4167% of contract value per day
19	Full completion and handover of Terminal Building Arrivals Corridor	0.4167% of contract value per day
20	Full completion and handover of Maintenance Buildings (MB1, MB2 and MB3)	0.4167% of contract value per day
21	Full completion and handover of T1 Substation	0.4167% of contract value per day
22	Full completion and handover of Airline Offices TOC and Plant Room	0.4167% of contract value per day
23	Full completion and handover of SCADA system	0.4167% of contract value per day
24	Submission of operating manual, CoC, QCP documentation, OEM documents and testing results as per stipulated in part C3 of this contract after project completion	0.4167% of contract value per day

Delay damages of the *works* are Amount per day is 0.4167%, to the maximum of 10% of the Contract value

### **X13 Performance bond**

X13.1 The amount of the performance bond is 10% of the contract value. Pro-forma draft of a performance bond to be used is attached to this contract.

### **X16 Retention**

X16.1 The *retention percentage* is 0% of the Contract value.

### **X18 Limitation of Liability**

X18.1	The <i>Contractor's</i> liability to the <i>Employer</i> for indirect or consequential loss is limited to	Nil - Neither Party is liable to the other for any consequential or indirect loss, including but not limited to loss of profit, loss of income or loss of revenue
X18.2	For any one event, the <i>Contractor's</i> liability to the <i>Employer</i> for loss of or damage to the <i>Employer's</i> property is limited to	The total of the Prices
X18.3	The <i>Contractor's</i> total liability to the <i>Employer</i> for defects due to his design which are not listed on the Defects Certificate is limited to	The total of the Prices
X18.4	The <i>Contractor's</i> total liability to the <i>Employer</i> for all matters arising under or in connection with this contract, other than excluded matters, is limited to	The <i>Contractor's</i> total direct liability to the <i>Employer</i> for all matters arising under or in connection with this contract, other than the excluded matters, is limited to the total of the Prices and applies in contract, tort or delict and otherwise to the extent allowed under the law of the contract.
		The e excluded matters are amounts payable by the <i>Contractor</i> as stated in this contract for
		Loss of or damage to the <i>Employer's</i> property, Delay damages, Defects liability, Insurance liability to the extent of the <i>Contractor's</i> risks loss of or damage to property (other than the <i>works</i> , Plant and Materials), death of or injury to a person; damage to third party property; and infringement of an intellectual property right
<b>Z</b>	<b>The <i>Additional conditions of</i> Z1 – Z20 contract are</b>	
	<b>Amendments to the Core Clauses</b>	
<b>Z1</b>	<b>Interpretation of the law</b>	
<b>Z1.1</b>	<b>Add to core clause 12.3:</b> Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, the <i>Project Manager</i> , the <i>Supervisor</i> , or the <i>Adjudicator</i> 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.	
<b>Z2</b>	<b>Providing the Works:</b>	
<b>Z2.1</b>	<b>Delete core clause 20.1 and replace with the following:</b> The <i>Contractor</i> provides the works in accordance with the Works Information and warrants that the results of the Works, when complete, shall be fit for their intended purpose	



<b>Z3</b>	<b>Other responsibilities:</b>
	<b>Add the following at the end of core clause 27:</b>
<b>Z3.1</b>	The <i>Contractor</i> shall have satisfied himself, prior to the Contract Date, as to the completeness, sufficiency and accuracy of all information and drawings provided to him as at the Contract Date
<b>Z3.2</b>	The <i>Contractor</i> shall be responsible for the correct setting out of the <i>Works</i> in accordance with the original points, lines and levels stated in the <i>Works</i> Information or notified by the <i>Project Manager</i> , <i>Supervisor</i> or the <i>Employer</i> . Any errors in the positioning of the <i>Works</i> shall be rectified by the <i>Contractor</i> at the <i>Contractor's</i> own costs.
<b>Z4</b>	<b>Extending the defects date:</b>
	<b>Add the following as a new core clause 46:</b>
<b>Z4.1</b>	If the <i>Employer</i> cannot use the <i>works</i> due to a Defect, which arises after Completion and before the <i>defects date</i> , the <i>defects date</i> is delayed by a period equal to that during which the <i>Employer</i> , due to a Defect, is unable to use the <i>works</i>
<b>Z4.2</b>	If part of the <i>works</i> is replaced due to a Defect arising after Completion and before the <i>defects date</i> , the <i>defects date</i> for the part of the <i>works</i> which is replaced is delayed by a period equal to that between Completion and the date by when the part has been replaced
<b>Z4.3</b>	The <i>Project Manager</i> notifies the <i>Contractor</i> of the change to a <i>defect date</i> when the delay occurs. The period between Completion and an extended <i>defects date</i> does not exceed twice the period between Completion and the <i>defects date</i> stated in the Contract Data
<b>Z5</b>	<b>Termination</b>
<b>Z5.1</b>	<b>Add the following to core clause 91.1, at the second main bullet, fifth sub-bullet point, after the words “assets or”:</b> “business rescue proceedings are initiated or steps are taken to initiate business rescue proceedings”.
<b>Amendment to the Secondary Option Clauses</b>	
<b>Z6</b>	<b>Performance Bond</b>
<b>Z6.1</b>	<b>Amend the first sentence of clause X13.1 to read as follows:</b> The <i>Contractor</i> gives the <i>Employer</i> an unconditional, on-demand performance bond, provided by a bank which the <i>Project Manager</i> and the <i>Employer</i> have accepted, for the amount stated in the Contract Data and in the form set out in Annexure C.ii of this Contract Data.
<b>Z6.2</b>	<b>Add the following new clause as Option X13.2:</b> The <i>Contractor ensures</i> that the performance bond is valid and enforceable until the end of the <i>contract period</i> . If the terms of the performance bond specify its expiry date and the end of the <i>contract period</i> does not coincide with such expiry date, four weeks prior to the said expiry date, the <i>Contractor</i> extends the validity of the performance bond until the end of the <i>contract period</i> . If the <i>Contractor</i> fails to so extend the validity of the performance bond, the <i>Employer</i> may claim the full amount of the performance bond and retain the proceeds as cash security
<b>Z7</b>	<b>Limitation of liability:</b>
	<b>Insert the following new clause as Option X18.6:</b>
<b>Z7.1</b>	The <i>Employer's</i> liability to the <i>Contractor</i> for the <i>Contractor's</i> indirect or consequential loss is limited to R0.00

- Z7.2** Notwithstanding any other clause in this contract, any proceeds received from any insurances or any proceeds which would have been received from any insurances but for the conduct of the *Contractor* shall be excluded from the calculation of the limitations of liability listed in the contract

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#### **Additional Z Clauses**

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#### **Z8 Cession, delegation and assignment**

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- Z8.1** 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*
- Z8.2** The *Employer* may cede and delegate its rights and obligations under this contract to any person or entity
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#### **Z9 Joint and several liability**

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- Z9.1** If the *Contractor* constitutes a joint venture, consortium or other unincorporated grouping of two or more persons, these persons are deemed to be jointly and severally liable to the *Employer* for the performance of the Contract.
- Z9.2** The *Contractor* shall, within 1 week of the Contract Date, notify the *Project Manager* and the *Employer* of the key person who has the authority to bind the *Contractor* on their behalf.
- Z9.3** The *Contractor* does not materially alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without prior written consent of the *Employer*.
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#### **Z10 Ethics**

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- Z10.1** The *Contractor* undertakes:
- Z10.1.1** 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;
- Z10.1.2** 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.
- Z10.2** The *Contractor's* breach of this clause constitutes grounds for terminating the *Contractor's* obligation to Provide the Works 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.
- Z10.3** 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 92.2. the amount due on termination is A1.
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#### **Z11 Confidentiality**

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<b>Z11.1</b>	All information obtained in terms of this contract or arising from the implementation of this contract shall be treated as confidential by the <i>Contractor</i> 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 <i>Project Manager</i> or the <i>Employer</i> , which consent shall not be unreasonably withheld.
<b>Z11.2</b>	If the <i>Contractor</i> is uncertain about whether any such information is confidential, it is to be regarded as such until otherwise notified by the <i>Project Manager</i> .
<b>Z11.3</b>	This undertaking shall not apply to –
<b>Z11.3.1</b>	Information disclosed to the employees of the <i>Contractor</i> for the purposes of the implementation of this agreement. The <i>Contractor</i> 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;
<b>Z11.3.2</b>	Information which the <i>Contractor</i> is required by law to disclose, provided that the <i>Contractor</i> notifies the <i>Employer</i> prior to disclosure so as to enable the <i>Employer</i> to take the appropriate action to protect such information. The <i>Contractor</i> 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;
<b>Z11.3.3</b>	Information which at the time of disclosure or thereafter, without default on the part of the <i>Contractor</i> , enters the public domain or to information which was already in the possession of the <i>Contractor</i> at the time of disclosure (evidenced by written records in existence at that time);
<b>Z11.4</b>	The taking of images (whether photographs, video footage or otherwise) of the <i>works</i> or any portion thereof, in the course of Providing the Works and after Completion, requires the prior written consent of the <i>Project Manager</i> . All rights in and to all such images vests exclusively in the <i>Employer</i>
<b>Z11.5</b>	The <i>Contractor</i> ensures that all his Subcontractors abide by the undertakings in this clause.
<b>Z12</b>	<b><i>Employer's Step-in rights</i></b>
<b>Z12.1</b>	If the <i>Contractor</i> 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 <i>Project Manager</i> , the <i>Employer</i> , 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 subcontractor or supplier of the <i>Contractor</i> ) to do so on his behalf. The reasonable costs of such remedial works shall be borne by the <i>Contractor</i>
<b>Z12.2</b>	The <i>Contractor</i> co-operates with the <i>Employer</i> 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 <i>Contractor</i> under the contract or otherwise for and/or in connection with the <i>works</i> ) and generally does all things required by the <i>Project Manager</i> to achieve this end.
<b>Z13</b>	<b>Liens and Encumbrances</b>
<b>Z13.1</b>	The <i>Contractor</i> keeps the Equipment used to Provide the Services free of all liens and other encumbrances at all times. The <i>Contractor</i> , vis-a-vis the <i>Employer</i> , 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 <i>Employer</i> , waive all liens they may have or become entitled to over such Equipment from time to time
<b>Z14</b>	<b>Intellectual Property</b>

- Z14.1** 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 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 *Contractor* 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 written approval of the *Contractor* is to be obtained before the *Contractor's* IP 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
- Z14.5** 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:
- Z14.5.1** the *Contractor's* design, manufacture, construction or execution of the Works
- Z14.5.2** the use of the *Contractor's* Equipment, or
- Z14.5.3** the proper use of the Works.
- Z14.6** The *Employer* shall, at the request and cost of the *Contractor*, assist in contesting the claim and the *Contractor* may (at its cost) conduct negotiations for the settlement of the claim, and any litigation or arbitration which may arise from it.

**Z16 Dispute resolution:**

**Z16.1 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 <a href="mailto:ghandi@badela.co.za">ghandi@badela.co.za</a>
Mr. Errol Tate Pr. Eng.	Durban	+27 11 262 4001 <a href="mailto:Errol.tate@mweb.co.za">Errol.tate@mweb.co.za</a>
Adv. Saleem Ebrahim	Gauteng	+27 11 535-1800 <a href="mailto:salimebrahim@mweb.co.za">salimebrahim@mweb.co.za</a>
Mr. Sebe Msutwana Pr. Eng.	Gauteng	+27 11 442 8555 <a href="mailto:sebe@civilprojects.co.za">sebe@civilprojects.co.za</a>
Mr. Sam Amod	Gauteng	<a href="mailto:sam@samamod.com">sam@samamod.com</a>
Adv. Sias Ryneke SC	Gauteng	083 653 2281 <a href="mailto:reyneke@duma.nokwe.co.za">reyneke@duma.nokwe.co.za</a>
Mr. Emeka Ogbugo (Quantity Surveyor)	Pretoria	+27 12 349 2027 <a href="mailto:emeka@gosiame.co.za">emeka@gosiame.co.za</a>

## Z16.2 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 accepted or rejected by the other 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

### Panel of Arbitrators

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

## Z17 Notification of a compensation event

- Z17.1** Delete “eight weeks” in clause 61.3 and replace with “four weeks”. Delete the words “unless the event arises from the Project Manager or the Supervisor giving an instruction, issuing a certificate, changing an earlier decision or correcting an assumption.”

## Z18 BBBEE Certificate

- Z18.1** The *Contractor* 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.

## Z19 Communication

- Z19.1** **Add a new Core Clause** 14.5 and 14.6 to read as follows:  
The *Project Manager* requires the written consent of the Employer if an action will result in a change to the design, scope, and Works information that is 5% or more
- Z19.2** The *Project Manager* requires the written consent of the Employer if an action will result in the Completion Date being extended by more than 30 days.

## Z20 Delegation

As stipulated by Section 37(2) of the Occupational Health and Safety Act No. 85 of 1993 as amended the *Contractor* agrees to the following:

**Z20.1** As part of this contract the *Contractor* acknowledge that it (mandatory) is an employer in its own right with duties as prescribed in the Occupational Health and Safety Act No 85 of 1993 as amended and agree to ensure that all work being performed, or Equipment, Plant and Materials being used, are in accordance with the provisions of the said Act, and in particular with regard to the Construction Regulations

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**PART C1.2b CONTRACT DATA****PART TWO – DATA PROVIDED BY THE *CONTRACTOR***

Clause	Statement	Data
10.1	The Contractor is (Name): Address:  Telephone No. Fax No.	
11.2	The <i>working areas</i> are	Only the Site Area. See C4 'Site Information'
24.1	The <i>Contractor's Key people</i> are:	CV's to be appended to Tender Schedule
	Name:	
	Job:	
	Responsibility:	
	Qualifications:	
	Experience:	

Name:

Job:

Responsibility:

Qualifications:

Experience:

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Name:

Job:

Responsibility:

Qualifications:

Experience:

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Name:

Job:

Responsibility:

Qualifications:

Experience:

11.2	The <i>completion date</i> is	TBC
11.2	The following matters will be included in the Risk Register	Existing Services Access to Site Delay in supply of material and/or equipment Progress of the works against the program Travelling public and ACSA stakeholders Contractor to add other relevant risks.
11.2	The <i>Works Information</i> is in	Part C3 'Scope of Works' section of this contract
31.1	The programme identified in the	To be attached by Contractor

**Part C1: Agreements and Contract Data****C1.3: Form of Guarantee****PRO FORMA FOR PERFORMANCE BOND****PERFORMANCE BOND****[TO BE REPLICATED ON BANK'S LETTERHEAD]**

Brief description of contract.....

Name and address of Beneficiary.....

..... (whom the contract defines as the Contractor).

We, the undersigned ..... and..... in our capacities as Guarantor's..... of ..... (**Registration Number: ....**) (hereinafter called "the Bank") have been informed that ..... hereinafter called the 'Principal') is your Contractor under such contract, which requires him to obtain an irrevocable, unconditional performance security.

At the request of the Principal, we .....(name of bank) hereby irrevocably undertake to pay you, the Employer, any sum or sums not exceeding in total the amount of .....(the "Guaranteed Amount") upon receipt by us of your first written demand stating that such an amount (or lesser amount) as may be claimed is due and payable to the Employer.

This guarantee constitute an irrevocable, unconditional, non-negotiable and non-transferable undertaking to pay in accordance with the above, subject to the proviso that this Letter will not be interpreted as extending the Bank's liability to anything more than the Guaranteed Amount.

Notwithstanding anything to the contrary herein contained, the Bank's obligation shall be construed as principal and not as accessory to the contract and shall not be delayed or discharged by the fact that a dispute exists between the Employer and the Contractor.

We undertake to pay you such Guaranteed Amount upon receipt by us, within such period of 14 days, of your first written demand stating that such an amount (or lesser amount) as may be claimed is due and payable to the Employer.

The guarantee shall be governed by and construed in accordance with the laws of the Republic of South Africa

Signed at \_\_\_\_\_ on \_\_\_\_\_ 20....

For:

**Registration Number:**\_\_\_\_\_  
**Name & Position**

As witnesses:

1. \_\_\_\_\_

2. \_\_\_\_\_

## PART C1: AGREEMENTS AND CONTRACT DATA

### C1.4: OCCUPATIONAL HEALTH AND SAFETY AGREEMENT

#### OCCUPATIONAL HEALTH AND SAFETY AGREEMENT

**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) in order to comply with the requirements of:  
The Occupational Health & Safety (Act 85 of 1993) and its regulations and  
The Compensation for Occupational Injuries & Diseases Act (Act 130 of 1993) also known as the (COLD Act).

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

**The parties to this Agreement are:**

<b>Name of Organisation:</b>  <b>AIRPORTS COMPANY SOUTH AFRICA KING SHAKA INTERNATIONAL AIRPORT</b>
<b>Physical Address:</b> <b>Airport Company South Africa</b>  1 Canelands Drive, Administration Office MSO Building King Shaka International Airport La Mercy 4407

**Hereinafter referred to as “Client”**

<b>Name of organisation:</b>
<b>Physical Address</b>

**Hereinafter referred to as “the Mandatory/ Principal Contractor”**

#### MANDATORY’S MAIN SCOPE OF WORK

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<b>GENERAL INFORMATION FORMING PART OF THIS AGREEMENT</b>
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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.

“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. 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.

All documents attached or refer to in the above Agreement form an integral part of the Agreement.

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.

Mandatories who utilise the services of their own Mandatories (contractors) must conclude a similar Written Agreement with them.

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.

This Agreement shall be binding for all work the Mandatory undertakes for the client.

All documentation according to 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**

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.

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 make 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 at all times comply with the following conditions:

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.

The Mandatory shall be assigned the responsibility in terms of Section 16(1) of the OHS Act 85 of 1993, if the Mandatory assigns any duty in terms of Section 16(2), a copy of such written assignment shall immediately be forwarded to the Client.

The Mandatory 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.

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.

The Mandatory 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.

The Mandatory shall ensure that discipline regarding Occupational Health & Safety shall be strictly enforced.

Any personal protective equipment required shall be issued by the Mandatory to his/her employees and shall be worn at all times.

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.

No unsafe equipment/machinery and/or articles shall be used by the Mandatary or contractor on the Client's premises.

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.

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.

The Mandatary shall ensure that work for which the issuing of permit is required shall not be performed prior to the obtaining of a duly completed approved permit.

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.

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**

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.

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.

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.

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.

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 ..... 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.

Mandatary – 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**

## PART C1: AGREEMENTS AND CONTRACT DATA

### C1.5: ACSA INSURANCE CLAUSES

#### **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 en 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 tunneling 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 - **US\$250,000**.

**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:

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](mailto:Nokulunga.Masiza@airports.co.za)

Buhle Mnguni  
D: +27 (0)11 723 1400  
M: +27 (0)74 535 9075  
[Buhle.Mnguni@airports.co.za](mailto: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 enquiry's on the Site of the Works or elsewhere as to the cause and results of any such occurrence and the Contractor shall co-operate 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 effected 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 1.6 (a),(c) and (d) 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) **Aviation Liability** insurances in excess of the Employers Aviation Liability insurances as stated under clause 1.1(c).

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

i) **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](mailto:Nokulunga.Masiza@airports.co.za)[Buhle.Mnguni@airports.co.za](mailto: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

### ***The conditions of contract***

How work is priced and assessed for payment

The intended pricing strategy to be followed in this tender is according to the Price List (including the activity schedule).

1. The Contract Data, Service information, drawings and any other documents relevant to this tender must be read in conjunction with the Bills of Quantities.
2. The Contractor must plan the work in this contract as a set of activities. These should be the same activities as he shows on his programme.
3. This schedule covers the items that will be measurable. A lump sum price for each activity shall be entered and no other items will be measured. Costs not covered by the items may be included in the most appropriate items listed. The Contractor has the liberty to insert items, quantities and rates of his own choosing in the said schedule as a separate line item.
4. The pricing schedule as completed by the Contractor shall be VAT exclusive prices and shall cover, "inter alia" all general risks, liabilities, obligations, profit, expenses, costs, bonuses, all allowances such as shift and standby allowances, sick-leave, other leave, brackets, fixings, incidentals, consumables etc. that will be required to successfully complete this contract as set forth or as implied in the documents on which this Contract is based.
5. The Contractor is to take note that payment is made for each activity only when it is complete. "Complete" as it is used in this schedule means the complete system or unit as specified in the particular document.
6. Unless a separate rate for the supply and for the installation of any item is specifically called for, the supply and installation costs of any item shall be fully included in the price.
7. The description of each item shall, unless otherwise stated herein, be held to include making, conveying and delivering, unloading, storing, unpacking, hoisting, setting, fitting and fixing in position, cutting and waste, patterns, models and templates, plant, temporary works, return of packaging, establishment charges, profit and all other obligations arising out of the contractual conditions.
8. The quantities and rates included for day work shall form part of the tender price, but Contractors shall note that this item must be regarded as provisional and will only be payable to the Contractor if and when a written order to this effect has been issued.
9. "Foreign" shall mean the CIF (Cost, Insurance and Freight) value.
10. No alterations to the original text shall be allowed. If any alterations are made, they shall be ignored, and the original wording will apply.
11. Variations in the scope and extent of the work shall be allowed to meet the Engineer's requirements and shall be measured and priced at the rates entered in the Bills of Quantities, where appropriate, and shall form an addition to or deduction from the total of the Accepted Contract Amount. Any items or variations for which rates have not been included in the Bills of Quantities shall be agreed and priced as non-scheduled items.
12. All provisional sums and contingency amounts shall be expended as directed by the Engineer and any balance remaining shall be deducted from the contract sum.
13. All items described as "provisional" shall be measured as executed and paid for according to prices in the Bills of Quantities and any amounts not spent shall be deducted from the contract price. No work

for which “provisional” items are provided shall, be commenced without written instructions from the Engineer.

14. No commitment to expending any portion of the contingency amounts and/or provisional sums are made or implied by the Employer.
15. The Contractor shall not be entitled to any claim in instances where provisional sums are partially or in total removed from the contract.
16. An item against which no Price is entered will be treated as covered by other Prices or rates in the Bills of Quantities.

## PRICING SCHEDULE

ITEM	DESCRIPTION	UNIT	QTY	SUPPLY	INSTALL	AMOUNT R
1	<b><u>PRELIMINARY AND GENERAL</u></b>					
	Note: All items shall be priced for whatever cost may be considered necessary for Preliminary and General items to carry out the Electrical Installation in full, as detailed in the Specifications and Schedules, which shall include, but shall not be limited, to the following:					
	<b>The following notes apply to the full BOQ</b> The BOQ is fully re-measurable. Tenderers are to price this Schedule strictly in accordance with the Specifications and SANS 10139, as amended. Where a conflict arises between these two documents the Specifications shall take precedence. Where a conflict arises between this Schedule and the Specifications, the Specifications shall take precedence. Tenderers shall study the Specifications and Scope of Works before pricing this Schedule and the Schedule shall be priced to provide the complete Works. All budgetary allowances shall only be used at the discretion of the Engineer, should these allowances not be required at the discretion of the Engineer, the full amounts shall be omitted. No excavated material, loose materials, equipment, tools etc. may be left on any airside area's unless a work team is present and using the material, equipment, tools etc. for the specific tasks the work team is undertaking while on airside. Material, equipment, tools etc. must be removed to the specified site camp should the work team leave the relevant work area. Haulage of materials excavated or supplied between the specified work areas and the site camp will be deemed to be free-haul.					
1.1	Site establishment - including but not limited to latrines, water, generators, fuel, ALL safety aspects, site office, clerks of works. Careful planning will be required from building contractor to ensure that all completion dates are achieved. Make allowance in your price to work after hours and weekends.	Sum	1			
1.2	Provision of scaffolding and or cherry picker/scissor lift over and above the main contractor's scaffolding. Allow scaffolding with a safety net and appropriate fall arrest systems to ensure the safety of personnel and the public	Sum	1			
1.3	Any additional builders work over and above main contractors, including make good after chasing, plaster to builders satisfaction.	Sum	1			

1.4	Any necessary calculations or drawings requested by the Engineer.	Sum	1			
1.5	Provision of 3-sets of Operating and Maintenance Manuals including "As-Built" drawings on hard copy and USB. "As-Built" drawing to be submitted in pdf and dwg format and manuals must be in a proper file.	Sum	1			
1.6	Provision of Fire Certificate of Compliance and equipment specifications on hard copy and soft copy.	Sum	1			
1.6	Training on System Operation & Maintenance to users	Sum	1			
1.7	Decommission, strip, remove, transport, and disposal of old, faulty and redundant devices and panels	Sum	1			
1.8	Safety file	Sum	1			
1.9	Allowance for Client Liaison and Construction Program Management	Sum	1			
1.10	Allowance for ORHVS Certified Person	Sum	1			
<b>Total Carried Forward To Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>2</b>	<b>PANEL 1 - CARGO TERMINAL (EXCLUDED)</b>					



	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
2.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	0			
2.2	Addressable Thermal Detector	No.	0			
2.3	Addressable Optical smoke detector - Polar White	No.	0			
2.4	Manual Call Point, red, flush mount with EN54 marking	No.	0			
2.5	Addressable Line Interface Unit	No.	0			
2.6	Control Switch	No.	0			
2.7	Conventional Zone Interface	No.	0			
2.8	Addressable Mains Relay Module	No.	0			
2.9	Extinguishing Control Unit	No.	0			
2.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
2.11	Emulated Control Switch	No.	0			
2.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
2.13	Addressable Sounder with Visual Indicator (RED)	No.	0			

2.14	Addressable Thermal Detector - Polar White	No.	0			
2,15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>3</b>	<b>PANEL 2 - ATNS/SAWS CONTROL TOWER</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
3.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
3.2	Addressable Thermal Detector	No.	0			
3.3	Addressable Optical smoke detector - Polar White	No.	131			
3.4	Manual Call Point, red, flush mount with EN54 marking	No.	21			
3.5	Addressable Line Interface Unit	No.	2			
3.6	Control Switch	No.	0			

3.7	Conventional Zone Interface	No.	0			
3.8	Addressable Mains Relay Module	No.	16			
3.9	Extinguishing Control Unit	No.	8			
3.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
3.11	Emulated Control Switch	No.	0			
3.12	Addressable Sounder with Visual Indicator (RED)	No.	1			
3.13	Addressable Sounder with Visual Indicator (RED)	No.	21			
3.14	Addressable Thermal Detector - Polar White	No.	0			
3.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>4</b>	<b>PANEL 3 - TERMINAL BUILDING BASEMENT</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139,					

	Logbook, Mimic Diagrams in all foyers and entrances/exits.					
4.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
4.2	Addressable Thermal Detector	No.	0			
4.3	Addressable Optical smoke detector - Polar White	No.	196			
4.4	Manual Call Point, red, flush mount with EN54 marking	No.	22			
4.5	Addressable Line Interface Unit	No.	13			
4.6	Control Switch	No.	1			
4.7	Conventional Zone Interface	No.	0			
4.8	Addressable Mains Relay Module	No.	44			
4.9	Extinguishing Control Unit	No.	12			
4.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
4.11	Emulated Control Switch	No.	0			
4.12	Addressable Sounder with Visual Indicator (RED)	No.	2			
4.13	Addressable Sounder with Visual Indicator (RED)	No.	22			
4.14	Addressable Thermal Detector - Polar White	No.	52			

4,15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>5</b>	<b>PANEL 4 - TERMINAL BUILDING ARRIVALS</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
5.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
5.2	Addressable Thermal Detector	No.	0			
5.3	Addressable Optical smoke detector - Polar White	No.	276			
5.4	Manual Call Point, red, flush mount with EN54 marking	No.	16			
5.5	Addressable Line Interface Unit	No.	0			
5.6	Control Switch	No.	0			
5.7	Conventional Zone Interface	No.	0			

5.8	Addressable Mains Relay Module	No.	34			
5.9	Extinguishing Control Unit	No.	0			
5.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	8			
5.11	Emulated Control Switch	No.	0			
5.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
5.13	Addressable Sounder with Visual Indicator (RED)	No.	22			
5.14	Addressable Thermal Detector - Polar White	No.	2			
5,15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>6</b>	<b>PANEL 5 - TERMINAL BUILDING ARRIVALS CORRIDOR</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139,					

	Logbook, Mimic Diagrams in all foyers and entrances/exits.					
6.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
6.2	Addressable Thermal Detector	No.	0			
6.3	Addressable Optical smoke detector - Polar White	No.	252			
6.4	Manual Call Point, red, flush mount with EN54 marking	No.	27			
6.5	Addressable Line Interface Unit	No.	0			
6.6	Control Switch	No.	0			
6.7	Conventional Zone Interface	No.	0			
6.8	Addressable Mains Relay Module	No.	49			
6.9	Extinguishing Control Unit	No.	3			
6.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	1			
6.11	Emulated Control Switch	No.	0			
6.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
6.13	Addressable Sounder with Visual Indicator (RED)	No.	25			
6.14	Addressable Thermal Detector - Polar White	No.	1			

6,15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>7</b>	<b>PANEL 6 - TERMINAL BUILDING ARRIVALS MEZZ CORRIDOR</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
7.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
7.2	Addressable Thermal Detector	No.	0			
7.3	Addressable Optical smoke detector - Polar White	No.	126			
7.4	Manual Call Point, red, flush mount with EN54 marking	No.	12			
7.5	Addressable Line Interface Unit	No.	0			
7.6	Control Switch	No.	0			
7.7	Conventional Zone Interface	No.	0			



7.8	Addressable Mains Relay Module	No.	23			
7.9	Extinguishing Control Unit	No.	0			
7.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	3			
7.11	Emulated Control Switch	No.	0			
7.12	Addressable Sounder with Visual Indicator (RED)	No.	1			
7.13	Addressable Sounder with Visual Indicator (RED)	No.	12			
7.14	Addressable Thermal Detector - Polar White	No.	0			
7,15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>8</b>	<b>PANEL 7 - ARRIVALS CEILING VOID</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139,					

	Logbook, Mimic Diagrams in all foyers and entrances/exits.					
8.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
8.2	Addressable Thermal Detector	No.	0			
8.3	Addressable Optical smoke detector - Polar White	No.	245			
8.4	Manual Call Point, red, flush mount with EN54 marking	No.	7			
8.5	Addressable Line Interface Unit	No.	0			
8.6	Control Switch	No.	0			
8.7	Conventional Zone Interface	No.	0			
8.8	Addressable Mains Relay Module	No.	0			
8.9	Extinguishing Control Unit	No.	0			
8.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	1			
8.11	Emulated Control Switch	No.	0			
8.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
8.13	Addressable Sounder with Visual Indicator (RED)	No.	4			
8.14	Addressable Thermal Detector - Polar White	No.	1			

8,15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>9</b>	<b>PANEL 8 - TERMINAL BUILDING DEPARTURES</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
9.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
9.2	Addressable Thermal Detector	No.	0			
9.3	Addressable Optical smoke detector - Polar White	No.	267			
9.4	Manual Call Point, red, flush mount with EN54 marking	No.	8			
9.5	Addressable Line Interface Unit	No.	1			
9.6	Control Switch	No.	0			
9.7	Conventional Zone Interface	No.	0			

9.8	Addressable Mains Relay Module	No.	20			
9.9	Extinguishing Control Unit	No.	0			
9.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	1			
9.11	Emulated Control Switch	No.	0			
9.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
9.13	Addressable Sounder with Visual Indicator (RED)	No.	12			
9.14	Addressable Thermal Detector - Polar White	No.	4			
9.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>10</b>	<b>PANEL 9 - TERMINAL BUILDING DEPARTURES CORRIDOR</b>					

	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
10.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
10.2	Addressable Thermal Detector	No.	0			
10.3	Addressable Optical smoke detector - Polar White	No.	112			
10.4	Manual Call Point, red, flush mount with EN54 marking	No.	11			
10.5	Addressable Line Interface Unit	No.	0			
10.6	Control Switch	No.	0			
10.7	Conventional Zone Interface	No.	0			
10.8	Addressable Mains Relay Module	No.	13			
10.9	Extinguishing Control Unit	No.	0			
10.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
10.11	Emulated Control Switch	No.	0			
10.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
10.13	Addressable Sounder with Visual Indicator (RED)	No.	11			

10.14	Addressable Thermal Detector - Polar White	No.	0			
10.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>11</b>	<b>PANEL 10 - AIRLINE OFFICES TOC AND PLANT ROOM</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
11.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
11.2	Addressable Thermal Detector	No.	0			
11.3	Addressable Optical smoke detector - Polar White	No.	216			
11.4	Manual Call Point, red, flush mount with EN54 marking	No.	0			
11.5	Addressable Line Interface Unit	No.	12			

11.6	Control Switch	No.	0			
11.7	Conventional Zone Interface	No.	0			
11.8	Addressable Mains Relay Module	No.	64			
11.9	Extinguishing Control Unit	No.	1			
11.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	3			
11.11	Emulated Control Switch (ECS)	PSum	1			<b>R 1 500.00</b>
11.12	Contractors Profit & Attendance for ECS	%				
11.13	Addressable Sounder with Visual Indicator (RED)	No.	0			
11.14	Addressable Sounder with Visual Indicator (RED)	No.	9			
11.15	Addressable Thermal Detector - Polar White	No.	1			
11.16	Remove old panel, install new panel, make good and commission all devices	Sum				
11.17	Network interface card equipped for fibre connection.	No.	1			
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>12</b>	<b>PANEL 11 - MULTI-STOREY PARKING AND OFFICES</b>					

	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
12.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
12.2	Addressable Thermal Detector	No.	0			
12.3	Addressable Optical smoke detector - Polar White	No.	149			
12.4	Manual Call Point, red, flush mount with EN54 marking	No.	29			
12.5	Addressable Line Interface Unit	No.	0			
12.6	Control Switch	No.	0			
12.7	Conventional Zone Interface	No.	0			
12.8	Addressable Mains Relay Module	No.	4			
12.9	Extinguishing Control Unit	No.	0			
12.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	4			
12.11	Emulated Control Switch	No.	0			
12.12	Addressable Sounder with Visual Indicator (RED)	No.	1			
12.13	Addressable Sounder with Visual Indicator (RED)	No.	26			



12.14	Addressable Thermal Detector - Polar White	No.	1			
12.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>13</b>	<b>PANEL 12 - COOLING TOWER</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
13.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
13.2	Addressable Thermal Detector	No.	0			
13.3	Addressable Optical smoke detector - Polar White	No.	68			
13.4	Manual Call Point, red, flush mount with EN54 marking	No.	5			
13.5	Addressable Line Interface Unit	No.	0			
13.6	Control Switch	No.	0			

13.7	Conventional Zone Interface	No.	0			
13.8	Addressable Mains Relay Module	No.	2			
13.9	Extinguishing Control Unit	No.	1			
13.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	1			
13.11	Emulated Control Switch	No.	0			
13.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
13.13	Addressable Sounder with Visual Indicator (RED)	No.	5			
13.14	Addressable Thermal Detector - Polar White	No.	4			
13.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>14</b>	<b>PANEL 13 - AIRFIELD SUBSTATION 1</b>					

	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
14.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
14.2	Addressable Thermal Detector	No.	0			
14.3	Addressable Optical smoke detector - Polar White	No.	13			
14.4	Manual Call Point, red, flush mount with EN54 marking	No.	1			
14.5	Addressable Line Interface Unit	No.	0			
14.6	Control Switch	No.	0			
14.7	Conventional Zone Interface	No.	0			
14.8	Addressable Mains Relay Module	No.	6			
14.9	Extinguishing Control Unit	No.	3			
14.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
14.11	Emulated Control Switch	No.	0			
14.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
14.13	Addressable Sounder with Visual Indicator (RED)	No.	1			

14.14	Addressable Thermal Detector - Polar White	No.	0			
14.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>15</b>	<b>PANEL 14 - AIRFIELD SUBSTATION 2</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
15.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
15.2	Addressable Thermal Detector	No.	0			
15.3	Addressable Optical smoke detector - Polar White	No.	8			
15.4	Manual Call Point, red, flush mount with EN54 marking	No.	0			
15.5	Addressable Line Interface Unit	No.	0			

15.6	Control Switch	No.	0			
15.7	Conventional Zone Interface	No.	0			
15.8	Addressable Mains Relay Module	No.	6			
15.9	Extinguishing Control Unit	No.	3			
15.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
15.11	Emulated Control Switch	No.	0			
15.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
15.13	Addressable Sounder with Visual Indicator (RED)	No.	1			
15.14	Addressable Thermal Detector - Polar White	No.	1			
15.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>16</b>	<b>PANEL 15 - AIRFIELD SUBSTATION 3</b>					

	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
16.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
16.2	Addressable Thermal Detector	No.	0			
16.3	Addressable Optical smoke detector - Polar White	No.	8			
16.4	Manual Call Point, red, flush mount with EN54 marking	No.	0			
16.5	Addressable Line Interface Unit	No.	0			
16.6	Control Switch	No.	0			
16.7	Conventional Zone Interface	No.	0			
16.8	Addressable Mains Relay Module	No.	6			
16.9	Extinguishing Control Unit	No.	3			
16.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
16.11	Emulated Control Switch	No.	0			
16.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
16.13	Addressable Sounder with Visual Indicator (RED)	No.	1			

16.14	Addressable Thermal Detector - Polar White	No.	1			
16.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>17</b>	<b>PANEL 16 - AIRFIELD SUBSTATION 4</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
17.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
17.2	Addressable Thermal Detector	No.	0			
17.3	Addressable Optical smoke detector - Polar White	No.	12			
17.4	Manual Call Point, red, flush mount with EN54 marking	No.	1			
17.5	Addressable Line Interface Unit	No.	0			

17.6	Control Switch	No.	0			
17.7	Conventional Zone Interface	No.	0			
17.8	Addressable Mains Relay Module	No.	6			
17.9	Extinguishing Control Unit	No.	3			
17.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
17.11	Emulated Control Switch	No.	0			
17.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
17.13	Addressable Sounder with Visual Indicator (RED)	No.	1			
17.14	Addressable Thermal Detector - Polar White	No.	1			
17.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>18</b>	<b>PANEL 17 - MB1, MB2, MB3 (NEW PANEL 1)</b>					



	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
18.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
18.2	Addressable Thermal Detector	No.	1			
18.3	Addressable Optical smoke detector - Polar White	No.	71			
18.4	Manual Call Point, red, flush mount with EN54 marking	No.	7			
18.5	Addressable Line Interface Unit	No.	1			
18.6	Control Switch	No.	0			
18.7	Conventional Zone Interface	No.	0			
18.8	Addressable Mains Relay Module	No.	0			
18.9	Extinguishing Control Unit	No.	0			
18.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
18.11	Emulated Control Switch	No.	0			
18.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
18.13	Addressable Sounder with Visual Indicator (RED)	No.	7			

18.14	Addressable Thermal Detector - Polar White	No.	0			
18.15	Remove old panel, install new panel, make good and commission all devices	Sum				
18.16	Network interface card equipped for fibre connection.	No.	3			
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>19</b>	<b>PANEL 18 - AG1, AG2, AG3</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
19.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
19.2	Addressable Thermal Detector	No.	0			
19.3	Addressable Optical smoke detector - Polar White	No.	0			
19.4	Manual Call Point, red, flush mount with EN54 marking	No.	8			

19.5	Addressable Line Interface Unit	No.	0			
19.6	Control Switch	No.	0			
19.7	Conventional Zone Interface	No.	0			
19.8	Addressable Mains Relay Module	No.	0			
19.9	Extinguishing Control Unit	No.	0			
19.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
19.11	Emulated Control Switch	No.	0			
19.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
19.13	Addressable Sounder with Visual Indicator (RED)	No.	9			
19.14	Addressable Thermal Detector - Polar White	No.	0			
19.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>20</b>	<b>PANEL 19 - CRASH FIRE RESCUE</b>					

	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
20.1	Addressable Global Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
20.2	Addressable Thermal Detector	No.	11			
20.3	Addressable Optical smoke detector - Polar White	No.	62			
20.4	Manual Call Point, red, flush mount with EN54 marking	No.	12			
20.5	Addressable Line Interface Unit	No.	1			
20.6	Control Switch	No.	0			
20.7	Conventional Zone Interface	No.	0			
20.8	Addressable Mains Relay Module	No.	3			
20.9	Extinguishing Control Unit	No.	0			
20.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
20.11	Emulated Control Switch	No.	0			
20.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
20.13	Addressable Sounder with Visual Indicator (RED)	No.	8			

20.14	Addressable Thermal Detector - Polar White	No.	3			
20.15	Remove old panel, install new panel, make good and commission all devices	Sum				
20.15	Addressable Repeater Fire Panel with User Interface	No	1			
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>21</b>	<b>PANEL 20 - KING SHAKA INT CYBERPORT</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
21.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
21.2	Addressable Thermal Detector	No.	0			
21.3	Addressable Optical smoke detector - Polar White	No.	24			
21.4	Manual Call Point, red, flush mount with EN54 marking	No.	1			

21.5	Addressable Line Interface Unit	No.	0			
21.6	Control Switch	No.	0			
21.7	Conventional Zone Interface	No.	0			
21.8	Addressable Mains Relay Module	No.	8			
21.9	Extinguishing Control Unit	No.	6			
21.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
21.11	Emulated Control Switch	No.	0			
21.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
21.13	Addressable Sounder with Visual Indicator (RED)	No.	2			
21.14	Addressable Thermal Detector - Polar White	No.	1			
21.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>22</b>	<b>PANEL 21 - FUEL FARM</b>					

	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
22.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
22.2	Addressable Thermal Detector	No.	0			
22.3	Addressable Optical smoke detector - Polar White	No.	2			
22.4	Manual Call Point, red, flush mount with EN54 marking	No.	2			
22.5	Addressable Line Interface Unit	No.	3			
22.6	Control Switch	No.	0			
22.7	Conventional Zone Interface	No.	1			
22.8	Addressable Mains Relay Module	No.	1			
22.9	Extinguishing Control Unit	No.	0			
22.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	1			
22.11	Emulated Control Switch	No.	0			
22.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
22.13	Addressable Sounder with Visual Indicator (RED)	No.	2			

22.14	Addressable Thermal Detector - Polar White	No.	1			
22.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>23</b>	<b>PANEL 22 - FUEL FORWARD DEPOT</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
23.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
23.2	Addressable Thermal Detector	No.	0			
23.3	Addressable Optical smoke detector - Polar White	No.	12			
23.4	Manual Call Point, red, flush mount with EN54 marking	No.	2			



23.5	Addressable Line Interface Unit	No.	0			
23.6	Control Switch	No.	0			
23.7	Conventional Zone Interface	No.	0			
23.8	Addressable Mains Relay Module	No.	0			
23.9	Extinguishing Control Unit	No.	0			
23.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	1			
23.11	Emulated Control Switch	No.	0			
23.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
23.13	Addressable Sounder with Visual Indicator (RED)	No.	2			
23.14	Addressable Thermal Detector - Polar White	No.	1			
23.15	Remove old panel, install new panel, make good and commission all devices	Sum				
23.16	Network interface card equipped for fibre connection.	No.	1			
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>24</b>	<b>PANEL 23 - T1 SUBSTATION</b>					

	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
24.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
24.2	Addressable Thermal Detector	No.	0			
24.3	Addressable Optical smoke detector - Polar White	No.	5			
24.4	Manual Call Point, red, flush mount with EN54 marking	No.	1			
24.5	Addressable Line Interface Unit	No.	0			
24.6	Control Switch	No.	0			
24.7	Conventional Zone Interface	No.	0			
24.8	Addressable Mains Relay Module	No.	1			
24.9	Extinguishing Control Unit	No.	1			
24.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	0			
24.11	Emulated Control Switch	No.	0			
24.12	Addressable Sounder with Visual Indicator (RED)	No.	1			
24.13	Addressable Sounder with Visual Indicator (RED)	No.	0			

24.14	Addressable Thermal Detector - Polar White	No.	0			
24.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>25</b>	<b>CABLING AND WIREWAYS</b>					
25.1	PH30 cabling, 2-core, 1mm, Stranded Cable complete with all accessories	m	42460			
25.2	Steel galvanised perforated heavy duty cable tray 457mm x 76mm with coverplate, complete with elbows, junction boxes, bends, clamps, fittings and all necessary accessories to include supports and fixings	m	1208			
25.3	P9000 Trunking 127mm x 76mm complete with elbows, junction boxes, bends, clamps, fittings and all necessary accessories to include supports and fixings	m	4347			
25.4	Address Labels for Devices	No.	3752			
25.5	Labels for Conduits and Round Boxes	No.	4400			
25.6	Supply and install 100 mm galvanised, perforated, medium duty, cable tray complete with elbows, junction boxes, bends, clamps, fittings and all necessary accessories	m	4140			

25.7	PVC Round Boxes	No.	4400			
25.8	Supply and install M25 uPVC conduit complete with elbows, junction boxes, clamps and fittings	m	14012			
25.9	25 mm Sprague Flexible complete with all saddles, clamps, ties, and accessories	m	3716			
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>26</b>	<b>FIRE CURTAINS</b>					
26.1	Install fire curtains (2m x 2.2m) in order to seal rooms during fire emergency. Curtains must be automatically triggered by the Gas Control Unit, form an airtight seal. Final finish of fire curtain shall be hermetically sealed and have no fibrous discharge. Include motor control panel with battery back-up (12V d.c., 7Ah), guide rails, headerbox, angles, t-bars and all necessary accessories.	No.	28			
26.2	Contractor's P&A for Fire Curtain Specialist	%				
<b>26.3</b>	<b>Electrical works for Power supply of Fire Curtain Motor Control Panel in accordance with SANS 10142-1 latest edition.</b>					
26.3.1	Supply and install of 30A industrial isolator single-phase, double pole, with white steel metal cover on 119x83mm surface box. Crabtree classic industrial or equal and approved.	No.	28			

26.3.2	20mm galvanised conduit (compliant with SANS 61386-21:2021) complete with bends, junction boxes and lids, couplings, adapters, lock nuts, spacebar saddles, fittings and all necessary accessories. Bosal or equal and approved.	No.	560			
26.3.3	1.5mm <sup>2</sup> round surfix cable (compliant with SANS 1507-2), 300/500V, 3-core (2-core + earth), copper conductors to SANS 1411 Part 1, PVC insulated to SANS 1411 Part 2, laid up with bare tinned copper earth wire in contact with a longitudinal aluminium/polyethylene laminate, UV stable PVC white sheathed to SANS 1411 Part 2. Aberdare or equal and approved.	m	560			
26.3.4	10A Miniature circuit-breaker (compliant with IEC 60898-1 and IEC 60947-2), 2 pole, C curve, thermal magnetic trip unit, DIN Rail, pollution degree 3, IP20, breaking capacity (kA rating) to suit distribution board. Schneider or equal and approved.	No.	28			
26.3.5	Electrical CoC by Registered Electrician.	No.	28			
26.3.6	Contractor's P&A for Registered Electrician	%				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>27</b>	<b>PASSIVE FIRE PROTECTION</b>					

27.1	Fireproof seals for interior application to be installed in penetrations and cable trenches in order to seal rooms (like substations, server rooms, wirerooms, transformer rooms, generator rooms and similar). The area per fireproof seal is 0.0357m <sup>2</sup> . The fire rating shall be 120mins.	No.	50			
27.2	Fireproof seals for exterior applications to be installed in penetrations and cable trenches in order to seal rooms (like substations, server rooms, wirerooms, transformer rooms, generator rooms and similar). The area per fireproof seal is 0.0357m <sup>2</sup> . The fire rating shall be 120mins.	No.	30			
27.3	Internal intumescent painting of each cable that penetrate through walls, ceilings and floors.	m2	30			
27.4	External intumescent painting of each cable that penetrate through walls, ceilings and floors.	m2	30			
27.5	Contractor's P&A for Fireproof Sealing and Intumescent Painting Specialist	%				
27.6	Certificate of airtight integrity testing to be issued for each room	50				
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>28</b>	<b>FIBRE INSTALLATION</b>					

28.1	Supply, install and commission 8-core 850-nm laser-optimized, 50-µm core diameter/125-µm cladding diameter graded- index multimode Fibre link between the following panels, c/w all splicing, terminations, splice and patch panels and dome enclosures to ensure complete installation: Panel 1 and Panel 10 Panel 1 and Panel 22 Fibre must be contained within Class 6 HDPE sleeve, orange colour. 600mm deep trench to be included	m	0			
28.2	Supply, install and commission 8-core 1300-nm laser-optimized, 50-µm core diameter/125-µm cladding diameter graded- index multimode Fibre link between the following areas, c/w all splicing, terminations, splice and patch panels and dome enclosures to ensure complete installation: Panel 1 and Panel 10 Panel 1 and Panel 22 Fibre must be contained within Class 6 HDPE sleeve, orange colour. 600mm deep trench to be included	m	2400			
28.3	Supply and install fibre to copper converters	No.	12			
<b>Total Carried Forward to Summary</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>SUPPLY</b>	<b>INSTALL</b>	<b>AMOUNT R</b>
<b>29</b>	<b>SMOKE BEAMS AND BATTERY CHARGERS</b>					
29.1	OSID Imager 80 degrees coverage, 24 V DC	No.	15			

29.2	OSID Emitter - Standard Power, battery version	No.	15			
29.3	OSID Imager 7 degrees coverage, 24 V DC	No.	15			
29.4	Battery for Fire Panel 18 Ah 12 V	No,	23			
<b>Total Carried Forward to Summary</b>						
ITEM	DESCRIPTION	UNIT	QTY	SUPPLY	INSTALL	AMOUNT R
<b>30</b>	<b>HUMAN-MACHINE INTERFACE (HMI) SYSTEM</b>					
	Provide HMI system based on Fire Detection Supplier OEM System including developing the software, remote access, device graphic layout, maintenance and support service, back-up system, PC, installation, setup, training, consultation and commissioning. Include labour and travelling, licence for Windows and Microsoft Office Business, completed set of drawings and user manuals.					
30.1	HMI System	PSum				<b>R 900 000</b>
<b>Total Carried Forward to Summary</b>						<b>R 900 000</b>
ITEM	DESCRIPTION	UNIT	QTY	SUPPLY	INSTALL	AMOUNT R
<b>31</b>	<b>PANEL 24 – OUTDOOR RESTAURANTS (NEW PANEL)</b>					
	Supply and install Class A Addressable fire detection system, equipment and cabling as per Fire Engineer specifications. This includes for safety files, 12 month warranty on equipment. Ceiling detectors to include for remote alarm indicators. To allow for integration with electronic services specialist regarding automatic					



	release for all doors and tripping of airconditioners in the event of the system being engaged. Contractors to include for CoC in book form in accordance to SANS 10139, Logbook, Mimic Diagrams in all foyers and entrances/exits.					
31.1	Addressable Fire Panel with User Interface - 2 Loop Small Cabinet	No.	1			
31.2	Addressable Thermal Detector	No.	0			
31.3	Addressable Optical smoke detector - Polar White	No.	68			
31.4	Manual Call Point, red, flush mount with EN54 marking	No.	5			
31.5	Addressable Line Interface Unit	No.	0			
31.6	Control Switch	No.	0			
31.7	Conventional Zone Interface	No.	0			
31.8	Addressable Mains Relay Module	No.	2			
31.9	Extinguishing Control Unit	No.	1			
31.10	Addressable Combination Smoke and Heat Detector - Polar White	No.	1			
31.11	Emulated Control Switch	No.	0			
31.12	Addressable Sounder with Visual Indicator (RED)	No.	0			
31.13	Addressable Sounder with Visual Indicator (RED)	No.	5			
31.14	Addressable Thermal Detector - Polar White	No.	4			
31.15	Remove old panel, install new panel, make good and commission all devices	Sum				
<b>Total Carried Forward to Summary</b>						

<b>COSTING SUMMARY</b>						
<b>ITEM</b>	<b>DESCRIPTION</b>					<b>AMOUNT R</b>
1	PRELIMINARY AND GENERAL					
2	PANEL 1 - CARGO TERMINAL (EXCLUDED)					
3	PANEL 2 - ATNS/SAWS CONTROL TOWER					
4	PANEL 3 - TERMINAL BUILDING BASEMENT					
5	PANEL 4 - TERMINAL BUILDING ARRIVALS					
6	PANEL 5 - TERMINAL BUILDING ARRIVALS CORRIDOR					
7	PANEL 6 - TERMINAL BUILDING ARRIVALS MEZZ CORRIDOR					
8	PANEL 7 - ARRIVALS CEILING VOID					
9	PANEL 8 - TERMINAL BUILDING DEPARTURES					
10	PANEL 9 - TERMINAL BUILDING DEPARTURES CORRIDOR					
11	PANEL 10 - AIRLINE OFFICES TOC AND PLANT ROOM					
12	PANEL 11 - MULTI-STOREY PARKING AND OFFICES					
13	PANEL 12 - COOLING TOWER					
14	PANEL 13 - AIRFIELD SUBSTATION 1					
15	PANEL 14 - AIRFIELD SUBSTATION 2					
16	PANEL 15 - AIRFIELD SUBSTATION 3					
17	PANEL 16 - AIRFIELD SUBSTATION 4					
18	PANEL 17 - MB1, MB2, MB3 (NEW PANEL 1)					
19	PANEL 18 - AG1, AG2, AG3					
20	PANEL 19 - CRASH FIRE RESCUE					

21	PANEL 20 - KING SHAKA INT CYBERPORT					
22	PANEL 21 - FUEL FARM					
23	PANEL 22 - FUEL FORWARD DEPOT					
24	PANEL 23 - T1 SUBSTATION					
25	CABLING AND WIREWAYS					
26	FIRE CURTAINS					
27	PASSIVE FIRE PROTECTION					
28	FIBRE INSTALLATION					
29	SMOKE BEAMS AND BATTERY CHARGERS					
30	HMI SYSTEM					
31	PANEL 24- OUTDOOR RESTARUANTS					
<b>TOTAL</b>						
<b>VAT @ 15%</b>						
<b>GRAND TOTAL</b>						
<b>Grand Total to be Carried forward to the Form of Offer and Acceptance C1.1</b>						
<b>This should be the same value as the C1.1 Offer and Acceptance in the Contract</b>						

**PART C3: SCOPE OF WORK**

Document reference	Title	No of pages
C3	This cover page <i>Terms of Reference</i>	1
	Total number of pages	

## Detailed Description of Works

### Background

King Shaka International Airport (KSIA) has been operational since 2010. The complex was constructed to comply with all local and International Standards and norms for the construction and operation of an airport. The Fire Protection Services of the facility were installed in 2009 and have reached the end of their serviceable life. New technologies have also contributed to the components becoming obsolete or obsolescent and now requiring replacement to comply with the evolving International Standards.

International best practice guidelines advise refurbishing a Fire Detection installation after 10 years of operation. This is particularly directed at all electronic devices, but a condition assessment must be completed for all components of the system.

### Summary

The Fire Detection System at King Shaka International Airport (KSIA) requires replacement to replace aged equipment and ensure compliance to current standards.

### Scope

The project scope of work is for the assessment of the current Fire Detection System, Design, Supply, Installation, Testing and Commissioning of Fire Detection Services to comply with current standards. The scope also extends to the assessment and redesign, where necessary, of the existing gas suppression systems used for critical areas.

## DETAILED DESCRIPTION OF THE SERVICE REQUIRED

### INTRODUCTION

The existing fire detection system was configured to meet the design requirements of the airport at the time of construction and in compliance with the latest revisions of the applicable standards, at that time. The component parts Scope of Works / Specifications Page 2 Name: Signature: Date:

and their associated cable connections are aged and have become obsolescent or redundant with the technological advances made in the industry.

To keep abreast of the industry's technological improvements, it is recommended to upgrade fire detection systems in a maximum of ten-year cycles. The installed fire detection system is approximately fourteen years old and no longer compliant with standards and regulations.

### SCOPE OF WORK

This section discusses the Scope of Work of the project. The Fire Detection System is to have the target protection level for people as Category L1 and for property as Category P1 described in SANS 10139.

### SITE INFORMATION

The site is located in La Mercy, North of Durban with geographical co-ordinates -29.609979, 31.116887.

### STANDARDS

All installations shall be designed, installed, and commissioned to the following standards and codes:

All current and relevant statutory regulations, codes of practice and standards applicable at the date of this specification (whether or not specifically referred to below) and, in particular, with those listed herein.

SANS 10142-1:2021 (Edition 3.1) - The Code of Practice for the Wiring of Premises, with the latest amendments.

SANS 10139:2021 (Edition 4.00): Fire detection and alarm systems for buildings.

SANS 10400 – Part T:2020 (Edition 4.00): Fire Protection

SANS 14520-1:2019 (Edition 3.00) - Gaseous fire-extinguishing systems - Physical properties and system design Part 1: General requirements.

Occupational Health and Safety Act 85 of 1993 as applicable to both contractor (employee) and employer, with particular reference, but not limited, to the following sections:

- Health and Safety Policy
- General duties of employers to their employees
- Duty to inform
- General duties of employees at work
- Duty not to interfere with, damage or misuse things
- Health and Safety Representatives
- Functions of Health and Safety Representatives
- Report to inspectors regarding certain incidents
- Report to Chief Inspector regarding occupational disease
- Victimization forbidden
- Investigations
- Disclosure of information
- Acts or omissions by employees or mandataries

- Offences, penalties and special orders of court
- Proof of certain facts
- Exemptions
- This Act not affected by agreements
- Delegation and assignment of functions

eThekwini Municipality bylaws, as amended.

## **HEALTH AND SAFETY**

### **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 scheduling staff.

All persons on company premises shall obey all health and safety rules, procedures and practices.

In particular, **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.

#### **GENERAL**

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 in order 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.

#### **EXISTING FIRE DETECTION SYSTEM AT KSIA**

A brief schedule of the existing fire equipment is shown in Table 6.1 indicating the type and location of the system.

Table 6.1: Location of Fire Panels

SYSTEM	DESCRIPTION	LOCATION	QTY
Fire Detection System	HMI System	Terminal Office Control (TOC)	1
Fire Detection System	Panel 2	ATNS Tower Fire System	1
Fire Detection System	Panel 3	Terminal Basement	1
Fire Detection System	Panel 4	Terminal Building Departures	1
Fire Detection System	Panel 5	Terminal Building Arrivals	1
Fire Detection System	Panel 6	Terminal Building Arrivals	1
Fire Detection System	Panel 7	Terminal Building Arrivals	1
Fire Detection System	Panel 8	Terminal Building Departures	1
Fire Detection System	Panel 9	Domestic Arrivals Corridor	1
Fire Detection System	Panel 10	Terminal Office Control (TOC)	1
Fire Detection System	Panel 11	Multi Storey Office (MSO)	1
Fire Detection System	Panel 12	Cooling Towers	1
Fire Detection System	Panel 13	Airfield Substation AS1	1
Fire Detection System	Panel 14	Airfield Substation AS2	1
Fire Detection System	Panel 15	Airfield Substation AS3	1
Fire Detection System	Panel 16	Airfield Substation AS4	1
Fire Detection System	Panel 17	Maintenance Buildings	1
Fire Detection System	Panel 18	SAA Maintenance Building	1
Fire Detection System	Panel 19	Crash Fire & Rescue	1
Fire Detection System	Panel 21	Fuel Farm	1
Fire Detection System	Panel 22	Fuel Depot	1
Crash Alarm System	Panel 1	Fire & Rescue Building	1
Crash Alarm System	Panel 2	ATNS Tower Building	1
LPG Gas Detection & Monitoring	Panel 1&2	Terminal Basement	2

The existing fire detection system with location of each panel and number of devices is shown in Table 6.2.



Table 6.2: Location of each panel and number of devices

DESCRIPTION	LOCATION	NO OF DEVICES
Panel 1	Cargo Terminal	362 devices
Panel 2	ATNS Tower Fire System	254 devices
Panel 3	Terminal Basement	458 Devices
Panel 4	Terminal Building Departures	452 Devices
Panel 5	Terminal Building Arrivals	452 Devices
Panel 6	Terminal Building Arrivals	223 Devices
Panel 7	Terminal Building Arrivals	325 Devices
Panel 8	Terminal Building Departures	394 Devices
Panel 9	Domestic Arrivals Corridor	186 Devices
Panel 10	Terminal Office Control (TOC)	399 Devices
Panel 11	Multi Storey Office (MSO)	271 Devices
Panel 12	Cooling Towers	111 Devices
Panel 13	Airfield Substation AS1	32 Devices
Panel 14	Airfield Substation AS2	25 Devices
Panel 15	Airfield Substation AS3	25 Devices
Panel 16	Airfield Substation AS4	32 Devices
Panel 17	Maintenance Buildings	110 Devices
Panel 18	SAA Maintenance Building	23 Devices
Panel 19	Crash Fire & Rescue	127 Devices
Panel 21	Fuel Farm	54 Devices
Panel 22	Fuel Depot	17 Devices
Panel 23	T1 Substation (Test / Training Panel)	13 Devices

Currently, Panel 10 is configured to be the system "Master" and is located in the TOC offices, within the Terminal Building. Furthermore, Panel 19 at Fire and Rescue is also a global panel, i.e., a panel to which all panels report their status, alarm and fault conditions. The Human-Machine Interface (HMI) system located by Panel 10 is not operational.

A summary for the quantities for the line devices currently installed, is shown in Table 6.3 below.

Table 6.3: Summary of Line Device Quantities

LINE DEVICES	QTY (UNITS)
Ziton ZP720 Addressable Thermal Detector	15
Ziton ZP730-2P Addressable Optical smoke detector - Polar White	3113
Ziton ZP785-3 Manual Call Point, red, flush mount with EN54 marking	288
Ziton ZP740/5-T24 Addressable Line Interface Unit	54
Ziton ZP740/5-T53 Control Switch	1
Ziton ZP570/A70 Conventional Zone Interface	1
Ziton Addressable Mains Relay Module ZP750/A51	409
Extinguishing Control Unit (ECU)	59
Ziton ZP732-2P Addressable Combination Smoke and Heat Detector - Polar White	34
Emulated Control Switch	1
Ziton ZP754 Addressable Sounder with Visual Indicator (RED)	9
Ziton ZP755HAV-2R Addressable Sounder with Visual Indicator (RED)	288
Ziton ZP720-3P Addressable Thermal Detector - Polar White	96
<b>TOTAL LINE DEVICES =</b>	<b>4368</b>

Figure 6.1 below shows how the existing system is connected. There are several links between panels that is via copper cable. Typically, this would not pose a bottleneck limitation due to the low bandwidth requirement and relatively short distances between this cluster of panels, all of which are located within the Terminal building.

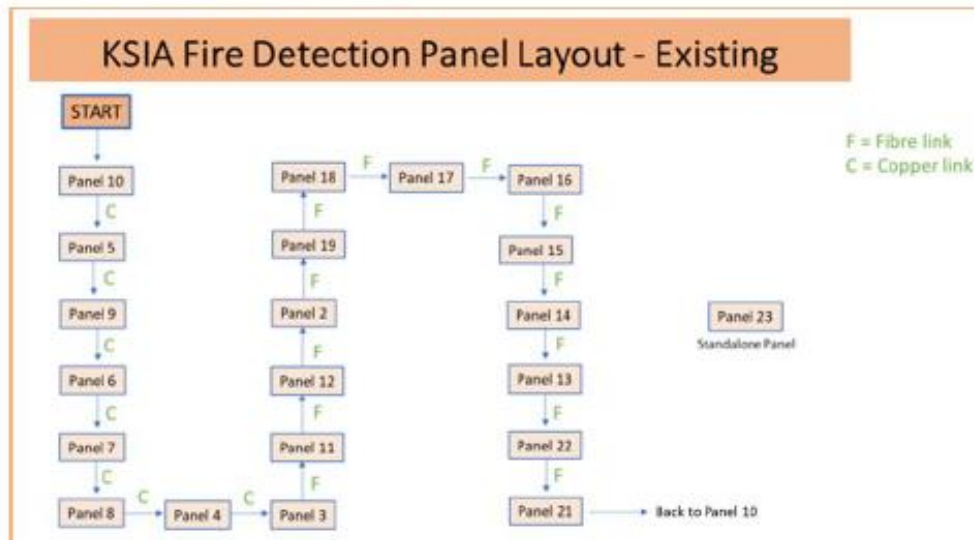


Figure 6.1: KSIA Existing Fire Panel connection layout

The gas suppression system with gas type, location and number of gas units is shown in Table 6.4.

Table 6.4: Schedule of Gas Suppression System

GAS TYPE	SIZE (LITRES)	LOCATION	QTY
FM200	175	Terminal Basement - LV Switchgear Room	4
FM200	45	Terminal Basement - Transformer Chamber Room	3
FM200	45	Terminal Basement - LV Chamber Room	3
FM200	45	Terminal Basement - M1 Main Substation	3
FM200	175	Terminal Basement - UPS Room 2	5
FM200	45	Terminal Basement - UPS Room 2	2
FM200	100	Terminal Basement - UPS Room 2	1
FM200	25	Terminal Basement - 107 Storeroom	2
FM200	45	Terminal Basement - Core Room 1 WC01	3
FM200	175	Terminal Basement - Core Room1 WC01	1
FM200	175	Terminal Basement - Core Room 2 WC03	1
FM200	45	Terminal Basement - Core Room 2 WC03	3
FM200	100	Terminal Basement - Core Room 2 WC03	1
FM200	45	Terminal Basement - UPS Room 2	4
FM200	175	Terminal Basement - UPS Room 2	1
FM200	45	Terminal Basement - Neotel	4
FM200	45	Terminal Basement - Telkom	4
FM200	45	Terminal Basement - PFC Room	2
FM200	100	Terminal Basement - SETA Core Room 1	1
FM200	45	Terminal Basement - SETA Core Room 1	1
FM200	45	Terminal Basement - SETA Core Room 2	2
FM200	45	Terminal Basement - 108 Storeroom	2
FM200	45	Airfield Substation AS1	6
FM200	45	Airfield Substation AS2	6
FM200	45	Airfield Substation AS3	6
FM200	45	Airfield Substation AS4	6
FM200	25	ATNS Tower Substation	4
FM200	45	ATNS Tower Substation	2
FM200	45	A2 Airside Substation	11
FM200	45	TOC Electrical Cabinet	2

## 1. FIRE PANELS

The following items will address the problems identified with Fire Panels:

- ✓ Replace all Ziton ZP2/ZP3 fire panels with new fire panels.
- ✓ Battery chargers to be supplied for all new fire panels
- ✓ Panels must be flush mounted in high traffic areas to prevent damages to panels or housings.
  - ✓ Panel 10 must be: o Relabelled as Panel 1.
  - o Configured to operate with the existing Supervisory Control and Data Acquisition (SCADA) system.
  - o Relocated to IMC in the MB3 Building.

- o The new Panel 1 will replace Panel 17 in the Maintenance Building.
- 
- ✓ Panel 1 and Panel 2 to be o Relabelled
- o Configured to Crash Alarm System in Fire Rescue Building and ATNS Tower Building respectively.
- o Configured with LPG Gas Detection & Monitoring System in Terminal Basement.
- ✓ Ensure that equipment interfacing with the fire panels via relays and interface modules are working e.g. extractors in terminal building or air vents in substations. All relays and interface modules to be replaced.
- ✓ Connect the fire detection system to the controller for the transformers/generators which monitor their own output temperature and fire with Programmable Logic Controller (PLC).
- ✓ The installation and configuration of a locking system (keypad with electronic lock) for each fire panel such that it can be accessed via a universal key code that is known by relevant staff members. This locking system is required mainly for panels that are in high public traffic areas, areas where tenant staff have access to and where an appointed person is not available.
- ✓ The electronic locking system for each Fire Panel must:
  - o Be supported by a long-life battery with a minimum design life of 5 years.
  - o Have a bypass mechanism so that the enclosure is accessible in the event of a battery failure.
  - o Unlock the door and raise an alarm via SCADA indicating battery failure.

Figure 8.1 below shows the proposed connectivity between panels. The new fibre links are shown in red.

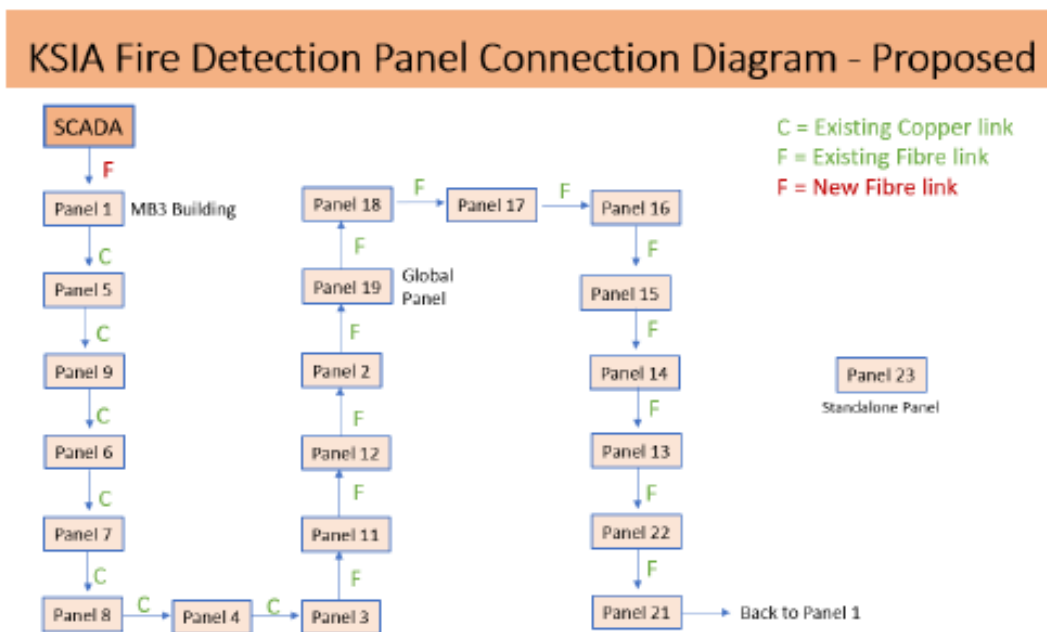


Figure 8.1: Diagram showing the new Connectivity between Panels

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## 2. LINE DEVICES

The sections below provide the Scope of Work for the various items that, together, form the whole Fire Detection system.

Name brands of the existing devices are mentioned for information and reference purposes only. It is **not** a requirement of this project that the existing brand be retained. The focus of the project is to update the system,

using the best of breed technologies and systems available in the market today. The fire detection system should not be proprietary in any way and should adhere to local available content as far as practically possible. As such, all line devices must be individually and directly addressable. Conventional, i.e. non-addressable, line devices will not be acceptable.

The locations and layouts for line devices is provided in the drawings for this project.

## 2.1. SMOKE DETECTORS

- ✓ Replace all Ziton ZP730-2P Addressable Optical smoke detector - Polar White with new units.
- ✓ Keep bases to save on cost, time and labour. Where a base has discoloured due to age, pollution or exposure to sunlight, it must be replaced.
- ✓ Brittle, chipped or broken bases must be replaced.
- ✓ Redesign some rooms to ensure fire detection by smoke detectors is compliant as per SANS 10139.
- ✓ Label all devices according to ACSA's labelling standard.

### 2.1.1. MANUAL CALL POINTS

- ✓ Replace all Ziton ZP785-3 Manual Call Point, red, flush mount with EN54 marking with new units.
- ✓ Manual call points in high traffic areas (especially in the basement areas) must be flush mounted to prevent damage to the units.
- ✓ Label all devices according to ACSA's labelling standard.

### 2.1.2. INTERFACE UNITS

- ✓ Replace all Ziton ZP740/5-T24 Addressable Line Interface Unit with new units.
- ✓ Interface equipment that is not already interfaced with the fire panel that pose a greater danger if a fire does occur. For example, the diesel pump in the Terminal Basement must shut-off if a fire occurs.
- ✓ Contractors must confirm the interface points (e.g., HVAC, lifts, exit doors, PA systems etc.) and configure the system accordingly. System configurations and functional elements must be approved by the Engineer and ACSA project team.
- ✓ Label all devices according to ACSA's labelling standard.

### 2.1.3. CONTROL SWITCH

- ✓ Replace all Ziton ZP740/5-T53 Control Switch with new units.
- ✓ Label all devices according to ACSA's labelling standard.

### 2.1.4. CONVENTIONAL ZONE INTERFACE

- ✓ Replace all Ziton ZP570/A70 Conventional Zone Interface with new units.
- ✓ All GCUs will be connected to the FCP via an addressable I/O module. One I/O module per GCU is allowed for in the project.
- ✓ Label all devices according to ACSA's labelling standard.

### 2.1.5. RELAYS

- ✓ Replaces all Ziton Addressable Mains Relay Module ZP750/A51 with new units.
- ✓ Label all devices according to ACSA's labelling standard.

### 2.1.6. COMBINATION SMOKE AND HEAT DETECTORS

- ✓ Replace all Ziton ZP732-2P Addressable Combination Smoke and Heat Detector - Polar White with news units.
- ✓ Keep bases to save on cost, time and labour. Where a base has discoloured due to age, pollution or exposure to sunlight, it must be replaced.
- ✓ Brittle, chipped or broken bases must be replaced.
- ✓ Label all devices according to ACSA's labelling standard.

### 2.1.7. EMULATED CONTROL SWITCH

- ✓ Replace Emulated Control Switch with news units.
- ✓ Label all devices according to ACSA's labelling standard.

### 2.1.8. SOUNDERS

- ✓ Replace all Ziton ZP754 Addressable Sounder with Visual Indicator (RED) with news units.
- ✓ Ziton ZP755HAV-2R Addressable Sounder with Visual Indicator (RED) with new units.
- ✓ Label all devices according to ACSA's labelling standard.

### 2.1.9. THERMAL DETECTORS

- ✓ Replace all Ziton ZP720-3P Addressable Thermal Detector - Polar White with new units.
- ✓ Replace all Ziton ZP720 Addressable Thermal Detector with new units.
- ✓ All bases must be replaced.

✓ Redesign fire detection for areas like restaurants for thermal detection rather than smoke detection to avoid nuisance fire alarms.

✓ Label all devices according to ACSA's labelling standard.

#### 2.1.10. GAS CONTROL UNITS (GCU)

✓ Replace all GCUs with new units.

✓ Upgrade housing of externally mounted GCU panels to weatherproof and low maintenance design, as indicated in the Bill of Quantities (Appendix C). The following Panels have externally mounted ECUs: o Panel 2

o Panel 3

o Panels 13 to 16

✓ Replace all outdoor Gas Control Unit housings with new housing.

Scope of Works / Specifications Page 5 Name: Signature: Date:

✓ Housings must be: o IP54 rated

o Have a tinted plexiglass door within a suitably wide frame such that all indications and labels on the GCU are visible.

o Integrate a 3cm x 3cm clear section to allow for easy viewing of internal elements.

o Accessible using a standard square hole electrical panel key.

✓ All GCUs must be tested for control and alarming functions.

✓ All GCUs will be connected to the FCP via an addressable I/O module. One I/O module per GCU is allowed for in the project.

✓ Label all devices according to ACSA's labelling standard.

### 3. SMOKE BEAMS

The following scope of work applies for this project:

✓ All smoke beams to be replaced with OSID beams.

✓ Redesign of fire detection in areas using OSID beams – to be completed by appointed contractor and approved by Engineer and ACSA representatives.

✓ OSID beams must be able to communicate with Fire Panels / fire detection systems from a different vendor to the OSID beam manufacturer.

### 4. EMERGENCY EVACUATION SYSTEM

The Emergency Evacuation system will utilise the existing PA system. It must be configured as a manual and not fully automatic system. Whilst the PA systems cannot be set to FULL manual control, specific functions must remain manual.

Automated voice messages must be used; however, these must be suited to the target audience being addressed. For example, there will be different pre-recorded messages for staff areas versus the messages for the general public areas.

Contractors need to identify the interface points and independently configure the system. System configurations and functional elements must be approved by the Engineer and ACSA project team.

### 5. CABLING

✓ Replace all FR20 cabling with PH30 rated cabling that is compliant with SANS 10139, as amended.

✓ Replace 20 mm conduits with 25 mm PVC conduits

✓ In ceiling voids, run fire detection in separate conduits.

✓ Replace trunking with fire rated trunking.

✓ Label conduits to ensure easy identification.

✓ All fire cabling to run in separate conduits / sleeves / trays from other service, such as electrical power, data, security.

✓ To achieve some savings, where PH 30 cabling is already installed, new cable will not be installed.

Examples of exemptions to this guideline are: o To eliminate joints,



- o Where cables are damaged, or
- o In cases where re-routing is necessary.

The Bill of Quantities has included Cabling as a re-measurable item and has allowed, in budget terms, for the entire system to be rewired.

#### **6. PASSIVE FIRE PROTECTION**

- ✓ Install fire curtains to seal rooms as efficiently as possible. This is to ensure that suppression gas concentrations are contained as long as possible. The Bill of Quantities has included fire curtains as a re-measurable item and has allowed for a reasonable quantity.
- ✓ Fireproof seals to be installed in penetrations and cable trenches in order to seal rooms (like substations, server rooms, wirerooms, transformer rooms, generator rooms and similar). The Bill of Quantities has included Fireproof seals as a re-measurable item and has allowed for a reasonable quantity.
- ✓ Intumescent painting of each cable that penetrate through walls, ceilings and floors. The Bill of Quantities has included Intumescent painting as a re-measurable item and has allowed for a reasonable quantity.

#### **7. MSO BUILDING OFFICES**

- ✓ The 3rd floor of the MSO building is already undergoing a refurbishment project.
- ✓ BVI Consulting Engineers are the appointed Electrical Engineers to that project.
- ✓ BVI's project shall allow for and install the line devices that are required on that floor.
- ✓ All these line devices will be connected to Panel 11 in the MSO Building.

#### **8. GAS SUPPRESSION SYSTEM UPGRADE**

All gas installations has been replaced, interface of the newly GCU and devices to the existing Gas bottles will be required.

- ✓ Pressure testing of rooms with gas suppression systems installed to be conducted after upgrading passive fire protection applied.

Contractors must be qualified and certified to complete the works satisfactorily.

#### **9. FIBRE UPGRADE**

The new Master Panel envisaged to be installed in the MB3 building shall be connected to Panel 5 via a fibre interface. This technology decision provides the following benefits:

- ✓ Ensuring the highest possible data throughput between back-haul devices.
- ✓ Optimising outages / equipment availability during equipment failure and / or maintenance activities.
- ✓ Minimal interference during communications.

The following Panels will be upgraded with new Fibre links:

- ✓ Panel 1 (Old Panel 17).

The fibre must be contained within a minimum of 4-way 12/10 micro duct and be a new 24-core micro-fibre G.652D. Active and passive patching to cabinets must be included.

## KSIA Fire Detection Panel Connection Diagram - Proposed

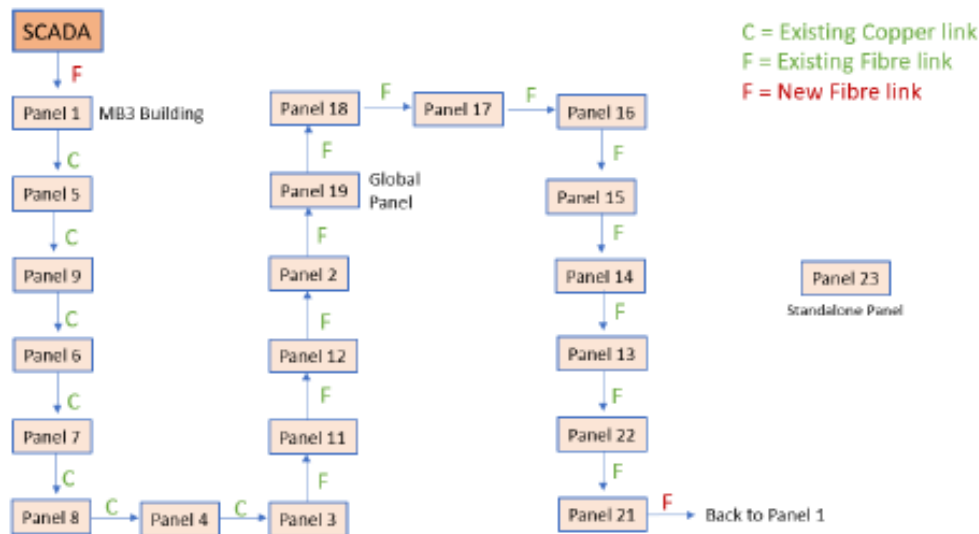


Figure 8.2: New fibre links

From Figure 8.2, the following Panels will be upgraded with new Fibre links:

- ✓ Panel 1 (Old Panel 17).

The fibre must be contained within a minimum of 4 way 12/10 microduct and be a new 24-core micro-fibre G.652D. Active and passive patching to cabinets must be included.

### 10. INTERGRITY TEST

Conduct integrity test for both substation and wire centre

### 11. PROJECT CONSTRUCTABILITY

#### 11.1 FIRE DETECTION REPLACEMENT

It is proposed that the panels be replaced in reverse order of their proximity to Panel 10, the Master Panel. The rationale behind this approach is that working on the further reaches of the Fire detection system will result in quicker turnarounds due to these areas being less populated. Working on these panels first:

✓ Poses less risk to the system and to airport safety concerns.

✓ Allows the project team time to “settle in”, in terms of working with ACSA and the various logistical, safety and security requirements for the project.

Hence, the following construction sequence is proposed:

**STEP 1** – install a second Master station in parallel to Panel 10 located in Terminal Office Centre (TOC). This will be the new Panel 1.

By installing a second Master panel in parallel, the existing system is kept intact and alive, allowing work on the new installation to proceed unencumbered.

The new Master Panel (Panel 1) must be configured to interface with the airport’s new HMI system.

The airport is a live facility, continuously occupied by ACSA and airline staff, contractors, tenants and the general public. Furthermore, it is a National Key Point. Therefore, safety and continuity of operations is of paramount importance.

**STEP 2** onwards shall follow the sequence in Table 9.1 below



WBS	TASK	DURATION (Days)
1	Project Site Handover	1
2	Safety Induction and Permits	10
3	Project Kick-off meeting	1
4	Site Establishment	5
5	Panel 1 installation (also replaces Panel 17)	7
6	HMI- integration of main panel into new HMI	15
7	New Fibre installation to Panel 22 (Fuel Depot)	12
8	Fire Detection System Panel 21 (Fuel Farm)	3
9	Fire Detection System Panel 22 (Fuel Depot)	1
10	Fire Detection System Panel 13 (Airfield Substation AS1)	2
11	Fire Detection System Panel 14 (Airfield Substation AS2)	2
12	Fire Detection System Panel 15 (Airfield Substation AS3)	2

WBS	TASK	DURATION (Days)
13	Fire Detection System Panel 16 (Airfield Substation AS4)	2
14	Fire Detection System Panel 18 (SAA Maintenance Building)	2
15	Fire Detection System Panel 19 (Crash Fire & Rescue)	8
16	Crash Alarm System Panel 1 (Fire & Rescue Building)	8
17	Fire Detection System Panel 2 (ATNS Tower Fire System)	15
18	Crash Alarm System Panel 2 (ATNS Tower Building)	15
19	New Fibre installation to Panel 10 (TOC)	18
20	Fire Detection System Panel 10 (TOC)	23
21	Fire Detection System Panel 11 (Multi Storey Office (MSO))	16
22	Fire Detection System Panel 12 (Cooling Towers )	7
23	Fire Detection System Panel 3 (Terminal Basement)	26
24	Fire Detection System Panel 4 (Terminal Building Departures)	26
25	Fire Detection System Panel 5 (Terminal Building Arrivals)	26
26	Fire Detection System Panel 6 (Terminal Building Arrivals)	13
27	Fire Detection System Panel 7 (Terminal Building Arrivals)	19
28	Fire Detection System Panel 8 (Terminal Building Departures)	22
29	Fire Detection System Panel 9 (Domestic Arrivals Corridor)	11
30	LPG Gas Detection & Monitoring Panel 1&2 (Terminal Basement)	10

## 12. CONSTRUCTION SCHEDULE

Tenderers must submit a preliminary project schedule with the tender submission. Within three weeks of appointment, the successful tenderer will submit a final project schedule which will be used as the official Project Schedule for the project.

Tenderers must take note of the following when compiling the schedule:

- ✓ The contractor will require a separate team, or approved sub-contractor for fibre installation due to different skill and tool sets being required for these tasks when compared to the main contract Scope of Works.
- ✓ Work will be completed during normal hours in low volume traffic areas, and during normal and off-peak hours in high volume traffic areas.
- ✓ Allow for co-ordination between stakeholders including all tenants, ACSA and airline staff, etc. to ensure that they are aware of the works and will make their spaces accessible to the contractor.
- ✓ The Project Schedule must take cognisance of the annual shutdown periods between December and January.
- ✓ Public holidays must be accounted for.

### 13. PROJECT MEETINGS

It is anticipated that the following project meetings will be held:

- ✓ **Project Kick-off meeting** – Held at the beginning of the project with a standard project commencement agenda.
- ✓ **Project Technical meetings** – initially twice a month for the first four months, thereafter once a month. All technical related matters will be discussed.
- ✓ **Project Progress meetings** – held once a month. All progress related matters will be discussed. If progress falls behind the program, the frequency of these meetings may be increased to effectively manage the project.
- ✓ **Risk Reduction Meetings** – these meetings will be held on an ad-hoc basis, typically when progress falls behind the agreed programme. The intention of these meetings is for both the contractor and client to raise any concerns regarding potential project risks, and devise methods to mitigate these risks in such a manner that the project programme and budget are not adversely affected.
- ✓ **Project Close-Out meeting** – this is held after the Client Sign-off on the project.

### 14. DRAWINGS

Appendix B includes the Drawing Register which shows a list of all drawings that form part of the Detailed Design package. Drawings will be made available via downloadable link or via a CD upon appointment of contractor.

### 15. BILL OF QUANTITIES

A blank BoQ is included in Pricing Schedule:

## Specifications

1.1 To design, supply and install an Analogue Addressable Fire Alarm Control System in accordance with the details specified herein and in accordance with supplied drawings. 3.1 The fire detection system shall be designed, installed and commissioned in accordance with, and all elements shall meet the requirements of SANS 10139: Fire detection and alarm systems for buildings - System design, installation and servicing, 2021 Edition 4.00. The responsible company should be able to demonstrate their competence to design, install and commission the system to the relevant standard. 3.2 The equipment manufacturer shall operate a quality management system in accordance with ISO 9001:2000. In addition, the equipment shall be manufactured under a recognised factory control procedure such as the Vertrauen durch Sicherheit (VdS) scheme.

1.2 The system shall include all materials, equipment and wiring required to install the complete Fire Detection and Alarm System. The system shall include, but not be limited to, one or more control panels, repeater panels, and sensors, call points, audible and visual alarm indicating devices and relays.

1.3 The system components shall be freely available from a number of sources, (i.e. not a closed protocol system)

1.4 The installation shall include the laying of all cables required for connection of the detection, alarm indicating and other devices along with connections to the power supply as appropriate to the design. All cabling shall conform to the requirements and recommendations of the Fire Alarm Control Panel manufacturer. Any openings /chasing in walls, ceilings or floors shall be made good.

1.5 The system shall be designed such that no more than 80% of the available signalling / detection loop capacity is employed to allow for future requirements.

1.6 Proprietary items or materials, where specified, are to be of the brand specified. Alternative offerings are to be approved by the Engineer prior to Tender Closing.

## 2. Normative References

### Standard Description

SANS10139:2021 (Edition 4.00) Fire detection and alarm systems for buildings -

SANS 14520-1:2019 (Edition 4.00) Gaseous fire-extinguishing Part 1: General Requirements

EN54-1:2011 Introduction

EN54-2:1997 +A1:2006 Control and Indicating Equipment

EN54-3:2001 +A1:2002 +A2:2006 Audible Alarm Devices

EN54-4:1997 +A1:2002 +A2:2006 Power Supply Equipment

EN54-5:2000 +A1:2002 Heat Detectors – Point Detectors

EN54-7:2000 +A1:2002 +A2:2006 Smoke Detectors – Point Detectors

EN54-11:2001 +A1:2005 Manual Call Points

EN54-13:2005 Compatibility Assessment of System Components

EN54-17:2005 Short Circuit Isolators

EN54-18:2005 Input / Output Devices

EN54-23:2010 Visual Alarm Devices

EN54-25:2008 Components using Radio Links

## 3. Standards

3.1 The fire detection system shall be designed, installed and commissioned in accordance with, and all elements shall meet the requirements of SANS 10139: Fire detection and alarm systems for buildings - System design, installation and servicing, 2021 Edition 4.00. The responsible company should be able to demonstrate their competence to design, install and commission the system to the relevant standard.

3.2 The equipment manufacturer shall operate a quality management system in accordance with ISO 9001:2000. In addition, the equipment shall be manufactured under a recognised factory control procedure such as the Vertrauen durch Sicherheit (VdS) scheme.

3.3 All detection devices shall be LPCB certified as complying with the relevant EN54 standard.

3.4 The Fire Alarm Control Panel shall be independently certified as complying with requirements of EN54 Part 2, EN54 Part 4 and EN54 Part 13. The Independent approvals body shall be the British Standards Institute (BSI) and Vertrauen durch Sicherheit (VdS).

3.5 The Fire Alarm Control Panel shall hold the BSI (British Standards Institute) Kitemark License.

3.6 In addition to the basic requirements of EN54, the Fire Alarm Control Panel shall offer the following EN54 optional features with requirements:

3.7 The Fire Alarm Control Panel shall also support a number of additional functions that are not covered by EN54. These additional functions shall include: 4.1.1. The FACP shall be the central controller of the complete

system. It shall receive and process analogue information from the detection devices, provide audible and visual indication of alarm and other conditions to the user, automatically initiate alarm response sequences and provide the user interface for interrogation and user programming of the system.

4.1.2. Updates to the FACP operating software shall be simple to undertake and shall not require the use of replaceable components. The operating program and configuration memory shall be stored in non-volatile memory and shall not rely on batteries for retention. The FACP shall incorporate separate microprocessors for signalling loop control and central operation.

4.1.3. The FACP shall provide a user interface from which; controls can be operated, manual operations can be carried out, indications are audible and/or visible and system information can be obtained. It shall also be capable of unambiguously indicating the following functional conditions: Quiescent condition, fire alarm condition, fault warning condition and disablement condition. Furthermore, the fire alarm condition shall always be capable of clearly being indicated without any prior manual intervention at the FACP.

## **4. Fire Alarm Control Panel (FACP)**

### **4.1. Functional Description**

4.1.1. The FACP shall be the central controller of the complete system. It shall receive and process analogue information from the detection devices, provide audible and visual indication of alarm and other conditions to the user, automatically initiate alarm response sequences and provide the user interface for interrogation and user programming of the system.

4.1.2. Updates to the FACP operating software shall be simple to undertake and shall not require the use of replaceable components. The operating program and configuration memory shall be stored in non-volatile memory and shall not rely on batteries for retention. The FACP shall incorporate separate microprocessors for signalling loop control and central operation.

4.1.3. The FACP shall provide a user interface from which; controls can be operated, manual operations can be carried out, indications are audible and/or visible and system information can be obtained. It shall also be capable of unambiguously indicating the following functional conditions: Quiescent condition, fire alarm condition, fault warning condition and disablement condition. Furthermore, the fire alarm condition shall always be capable of clearly being indicated without any prior manual intervention at the FACP.

4.1.4. It shall be easy to configure all basic operating characteristics and variables through the user interface on the FACP to satisfy the detection zone and output mapping of the premises. A PC Tool operating under the Windows <sup>TM</sup> operating system shall also be available to fully program the panel.

4.1.5. The FACP shall support up to 126/127 devices on the signalling loop. The FACP shall fully support the sub-addressing capabilities of the relevant input and output devices.

4.1.6. The FACP shall contain one, one to two, or one to four signalling loop drivers depending on the system design requirements. Each signalling loop shall be capable of supplying at least 500 mA of power for loop-based sounders or other output devices. The Fire Alarm Control Panel software and hardware loop driver, without modification, shall be compatible with the analogue detection, call points, input and output devices.

4.1.7. The FACP shall fully support the sub-addressing capabilities of loop devices incorporating this feature and any radio-based devices within each protocol.

4.1.8. The FACP must provide system integrity and is to be approved to EN54 Part 13 thus ensuring: - ▪ Enhanced monitoring of ALL circuits including sounder circuits and loop circuits.

- The FACP can detect a fault which may not be visible until an alarm condition.
- The FACP can be selected / programmed for specific current consumption for individual circuits.

4.1.9. The FACP shall provide 2 or 4 outputs to fire alarm devices, each rated at 1-ampere. An auxiliary supply output shall also be available to provide power for internal option modules.

4.1.10. The FACP shall provide a diagnostic monitoring feature for all signalling loop, alarm device output and auxiliary supply output circuits to monitor voltage, current load, etc. This information shall be documented and available to view at Level 2. In addition, diagnostic monitoring of the signalling loop return current pulses shall be provided at Level 3.

4.1.11. The FACP shall provide an internal "Scope" for all signalling loop devices. This information shall be captured and available to view at Level 3 menu only.

4.1.12. The FACP shall incorporate a real-time clock for time stamping of events in the event history log and for scheduling of time related functions.

4.1.13. It shall be possible to install a network communications card to allow connection of up to 200 control panels, remote terminals, mimic displays or other peripheral devices. The network shall offer peer-to-peer operation and have a fault tolerant capability. The time to propagate a fire alarm condition across the network shall not exceed 3 seconds.

4.1.14. A single FACP shall have the capability for configuration and operation of 200 fire alarm zones. In a network system, the overall system shall have the capability for up to 2000 zones.

4.1.15. It shall be possible to adjust sensitivity settings for all detection devices based on a time clock. It shall be possible to select device modes for both active and inactive time periods for multi-sensor detectors.

4.1.16. It shall be possible to configure the panel for Stage 1/ Stage 2 Investigation operation based on a time clock. It shall be possible to configure the devices used for investigation on an individual basis. This shall also include call point type devices.

4.1.17. It shall be possible to configure up to 10 independent time clocks. Each time clock shall be capable of up to two active time periods for each day of the week.

4.1.18. All fault conditions (except CPU System Fault) shall be non-latching.

4.1.19. All input devices shall have the capability of being latching or non-latching (except when configured for Fire Alarm input).

4.1.20. It shall be possible to configure complex cause and effect operation for phased evacuation and output control operations at the panel. It shall be possible to assign each output device to one of 200 output groups, each output group operation being programmable as to response on a zone by zone basis for fire, double-knock fire, pre-alarm, fault, enablement or disablement conditions and shall provide up to 40 programmable ringing styles with programmable delays, pulsing tones and pre-programmed tones.

4.1.21. It shall be possible to connect optional equipment in accordance with the requirements of EN54-2 Standardised I/O such as mimic panels and remote-control terminals.

## **4.2. Panel Construction**

4.2.1. The Fire Alarm Control Panel shall be of metal construction. It shall be capable of surface or semi-flush mounting. Wiring terminations are to be situated towards the top of the unit. Sufficient 20 mm knockouts shall be provided to accommodate all likely wiring requirements.

4.2.2. The housing shall meet IP30 minimum ingress protection classification (due to being housed inside buildings) finished in colour RAL 7035. It shall not be possible to open the enclosure without a key or special tool.

4.2.3. The FACP should have variants of small, medium, large and deep enclosures with the facility to also provide rack mounted options.

## **4.3. Panel Indications**

4.3.1. The Fire Alarm Control Panel shall be equipped with a white backlit display (240x64 pixels) as the primary indicator giving at least 6-lines of information. The display shall illuminate upon any event (excluding mains failure) or button press. The display must provide an energy efficient software adjustment and be able to be dimmed and provide the option of giving the facility of 'More Alarms'.

4.3.2. The primary display shall be simultaneously capable of indicating the presence of Fire Alarms, Faults, Disablements and Tests in accordance with the requirements of EN54-2.

4.3.3. In addition, the following minimum LED indicators shall be provided in accordance with the requirements of EN54-2:

- Power On Green
- Fire Alarm Red
- Fault Yellow
- Disabled Yellow
- Test Yellow
- Fire Routing Activated Yellow
- Fire Routing Fault Yellow
- Fire Routing Disabled Yellow
- Pre-Alarm Yellow
- Fire Protection Activated Yellow
- Sounders Silenced Yellow
- Sounders Disabled Yellow
- Sounder Fault Yellow
- System Fault Yellow
- Delayed Yellow

4.3.4. In addition, there shall be five programmable LED Indicators for application use and four programmable pushbuttons with associated LEDs. Up to 8 operable key switches shall be able to be added with ease with

the addition of being able to provide text description once the FACP has left the factory. A monitored fault input should be included without the need of adding additional boards.

4.3.5. The FACP must have as standard 20 on-board zone LEDs with the ability of being able to add further LEDs in groups of 50, 100 or 200. LEDs shall be extendable offering both red (fire) and yellow (fault or disablement) options that can be programmed via a PC tool. A dedicated 50 zone LED option shall also be available with slide-in labels for descriptive purposes. The zone feature shall also be able to be provided on a graphical mimic basis if required.

4.4.1. The Fire Alarm Control Panel shall be provided with the following minimum manual controls:

4.4.2. In addition, the following controls shall be provided for menu operation and programming: Navigation keys,

4.5.1. The Fire Alarm Control Panel shall be capable of networking up to 32 nodes on a standard network (Fig.1) and up to 200 nodes on a secure network (Fig. 2).

#### 4.4. Panel Controls

Mute

Evacuate (Sound Alarms) Silence

Resound Alarms Reset

LED Test More Alarms

Programmable Pushbuttons (x4)

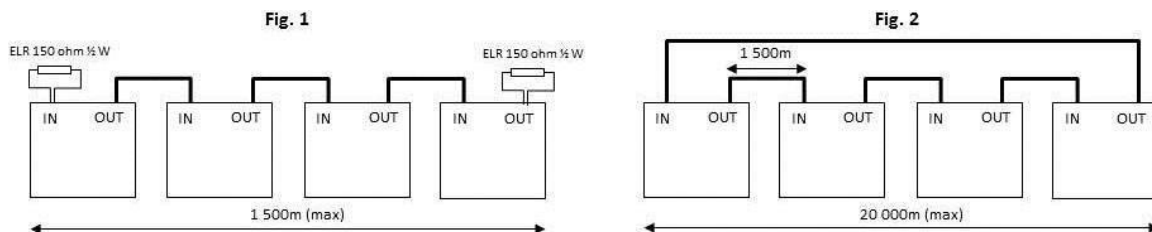
A confirmation key,

A numeric keypad, 0-9, also providing the function for letter / character programming A cancel key

A menu select key

#### 4.5. Networking

4.5.1. The Fire Alarm Control Panel shall be capable of networking up to 32 nodes on a standard network (Fig.1) and up to 200 nodes on a secure network (Fig. 2).



4.5.2. A zoning facility to allow the networked system to share up to 2000 zones giving non-confusing indication and allowing true peer-to-peer cross panel report, control and site-wide cause and effect functionality.

4.5.3. Simply adding and connecting a network card will allow any node/control panel or remote terminal to be networked. All other nodes on the system will be instantly aware of a panel as soon as it is given a valid network node address, allowing additional panels to be added at any time with a minimum amount of reprogramming.

4.5.4. A facility to prevent the transmission of fires and faults during commissioning of the network system shall also be available.

4.5.5. For more complex systems, Windows based PC configuration software (as described later) allows sector-based programming for Mute, Silence, Resound and Reset control keys as well as investigation delays, group disablement and test instructions. All panels within the same sector will share common controls and each panel or remote terminal can also be programmed to show specific network information on a zonal basis.



4.5.6. For cause and effect any input device can be programmed to operate any output device on any panel and to simplify the programming, all the configuration data is contained within one user-friendly network configuration file.

#### **4.6. Software**

4.6.1. A PC Configuration Tool shall be available for configuration of the FACP and for retention of configuration data. The PC Configuration Tool shall be graphically based and operate under Windows <sup>TM</sup> operating systems Windows 10.

4.6.2. The software features shall include: -

- Configuration Tool - Permanent/timed disablements

- Re-sound buzzer daily
- Timeout from Level 2 to Level 1
- 5000 memory event log
- Investigations delays
- Disable/enable logging
- Disable by Purpose
- Disable across the network
- Sector programming
- 1500 allowable logic lines
- Virtual Terminal

- Logo Tool - Bitmap format for customer/end-user branding

- Service Tool - Download device information

- View drift status of detectors
- Provide a device history of every device (last activated, tested, disables, when created)
- Extract event log information
- Be able to group data
- Provide user defined reports

#### **4.7. Configuration**

It shall be possible to configure ALL basic configuration parameters and settings from either the FACP front panel or from the PC Configuration Tool. Both USB and serial connections from the FACP to the PC are to be available. It shall be permitted to configure enhanced / extended features and functions from the PC Configuration Tool only.

#### **4.8. Remote Dial-up**

Software shall also be available to provide full dial-up capability to the FACP using a modem. This software package should enable remote access to interrogate and inspect the operation of the FACP, retrieve panel status and historic event log.

#### **4.9. Remote Access**

4.9.1. It shall be possible to remotely access the Fire Alarm System via an internet-based program. This facility should: -

- Be configurable over the internet
- Be password protected
- Provide event notification via e-mail
- Require no propriety software
- Be able to gather real time information from the fire network
- Be able to enable/disable devices/zones, reset the network, silence the network, mute the network and re-sound the sounders on the network.

#### **4.10. Remote Terminals**



4.10.1. It shall be possible to provide remote access to monitor (Remote Display Terminal) or monitor / control (Remote Control Terminal) operation of the installation.

4.10.2. The Remote-Control Terminal shall provide the same display, indication and buttons as the FACP.

4.10.3. The Remote Display Terminal shall provide the same display, indication and buttons as the FACP except for the control buttons.

4.10.4. Remote Control Terminals shall provide the capability to silence alarms, re-sound alarms, evacuate and reset the system. In addition, it shall be possible to remotely enable or disable zones and points and remotely configure a zone walk test.

4.10.5. It shall also be possible to include any programmable pushbuttons that may be operable on the FACP.

#### **4.11. Power Supplies**

4.11.1. All power supplies (integral to the fire alarm control panel or remote) shall be certified to EN54-4 and shall be capable of supporting 6-hour standby requirements. The FACP shall have a built-in or remote battery temperature sensor.

4.11.2. All power supplies shall be capable of operating from a main supply of 200 – 240 V a.c. 50/60 Hz.

#### **4.12. Additional System Components**

4.12.1. The following additional system components/modules shall be available as optional equipment.

Remote Control Terminals: Providing the features and functions described in EN54-2 clause 11.

Remote Display Terminals: Providing the features and functions described in EN54-2 clause 11.

Mimic Module: Providing a bespoke solution for graphical presentation, using LED Indicators, to indicate either zone-based fires or output groups activated.

Graphics Interface Module: Providing a gateway to 3rd party graphics packages with full reporting and control features and functions. It shall be possible to install multiple graphics gateways in the network and have the facility to have IP based workstations.

Printer: Providing the capability to select and automatically print fire, alarm, fault and test events and the capability to manually print the historic log. The printer arrangement shall be such that it is not required to open the enclosure to change the paper roll. The printer shall not use replaceable ink ribbons or cartridges.

Zone Monitoring: Providing 8 conventional zone inputs.

Programmable Sounders: Providing 4 additional programmable sounder outputs. The outputs shall be fully synchronised.

Programmable Relays: Providing 4 additional programmable outputs. The outputs shall be fully synchronised.

Programmable Inputs: Providing 10 programmable monitored/non-monitored inputs.

Programmable Pushbuttons: Providing 16 programmable pushbuttons (switches) with 3 integrated LEDs per switch (red, yellow, green).

Mimic Driver Card: Providing 16 programmable inputs and 48 programmable LED driver outputs.

4.12.2. It shall be possible to connect up to a maximum of 16 of the following modules (in any combination) via the

Integral Modem: Providing remote connection to the FACP. General Routing Interface: Providing routing outputs in compliance with EN54-2 clauses 7.9, 7.10 and 8.9.

ESPA Interface: Providing a gateway to 3rd party graphics packages with full reporting and control features and functions. It shall be possible to install multiple graphics gateways in the network and have the facility to have IP based workstations.

#### **4.13. Maintenance**

4.13.1. The following maintenance features are to be included within each FACP: - ▪ A built-in scope function for each loop

- Provide history of each device
- Be able to view software versions of all PCBs on the control panel
- Provide cross network viewing of each panel's status
- View battery charger voltages and temperature
- Provide drift and warning states for the devices

## 5. Detectors and Devices

The system shall be compatible with, and fully capable of using all of the features of the following detection, alarm indicating and other devices:

### 5.1. Loop Specification

5.1.1. The "loop" shall be a two-wire circuit starting at and returning to the same set of terminals at the control panel.

5.1.2. The loop shall be capable of driving up to 126 field addressable devices over a total loop distance of up to 2 kilometres.

5.1.3. All analogue addressable devices shall have a unique address. Each device may be polled as often as is required up to a maximum of 69 times per second, depending on the amount of information required for each device.

5.1.4. There shall be no pre-set order for polling the devices. The devices shall be polled in an order appropriate to the FACP.

5.1.5. Isolators shall be fitted at a maximum spacing of one per 20 devices. The isolators shall protect against short circuits on the loop by isolating that section of the loop where the short circuit occurred, thus maintaining the integrity of the remainder of the system.

5.1.6. Fire condition LED indicators fitted to the devices and any remote indicators shall be remotely and separately operated from the control panel.

5.1.7. All fire condition LED indicators shall be reset from the control panel without removing power from the loop.

5.1.8. The communication to each device shall be achieved by means of a digital protocol superimposed on the d.c. supply.

5.1.9. The manual call points shall each have their own unique address and the panel shall be capable of identifying and responding to the operation of a call point in less than one second.

5.1.10. The address data for each device shall be stored in the base of any smoke or heat detector, but this shall be achieved purely by mechanical and not electronic means. These bases shall have this coding feature fitted as standard. One base terminal shall be provided for cable shield continuity. The terminals for the supply wires shall be in/out double terminals.

5.1.11. The loop shall be capable of receiving information in addition to that from heat and smoke detectors e.g., operation of sprinkler system. The source of this information shall be identified by its own unique address. Any interface equipment used to achieve this requirement shall be from the product range of the same manufacturer as the detectors or FACP manufacturer.

5.1.12. Only two loop wires shall be required to power the detectors, address and carry data to and from the field devices by digitally encoded signals superimposed on the supply voltage.

5.1.13. The FACP shall be able to identify what type of device is located at each address in order to protect against accidental fitting of an inappropriate device.

5.1.14. The FACP shall be able to identify the absence of an address of a field device

## 5.2. Photoelectric (Optical) Smoke Detectors

5.2.1. The photoelectric (optical) smoke detectors shall be suitable for detecting visible smoke such as is produced by slow smouldering fires including burning PVC.

5.2.2. They shall be of the light scattering type using a pulsed internal LED light source and a photo-diode sensor.

5.2.3. The detectors shall be suitable for connecting to a 24 V central system and operate satisfactorily within the supply voltage range of 17 V–28 V d.c.

5.2.4. A clear indicator LED shall be provided on the detector which illuminates red when the detector has reached a pre-set alarm level. The indicator shall be operated independently of the detector from the FACP.

5.2.5. Provision shall be made for an output from the detector suitable for operating a remote indicator or other device with a current limitation of 4 milliamps. The output shall be operated independently of the smoke detector from the central control panel.

5.2.6. The detector shall be capable of operating within the following environmental limits: Temperature operating range -20 °C to +60 °C no condensation  
Humidity operating range 0 % to 95 % RH  
Wind speeds—not affected.

5.2.7. Separate mounting bases shall be required which enable ready removal of the detectors for maintenance. The bases shall be fitted with dual finger stainless steel contacts.

5.2.8. The construction of the detector and bases shall be in white self-extinguishing polycarbonate plastic. All circuitries must be protected against moisture and fungus. Smoke entry points must be protected against dust and insect ingress by corrosion resistant gauze. The optical chamber must be of conductive plastic and have a snap-lock fit for ease of removal when cleaning. The detectors must be unobtrusive when installed, having a dimension not exceeding 50mm x 100mm diameter maximum including the mounting base.

5.2.9. The detector shall incorporate a feature enabling it to be locked securely to its base.

5.2.10. Data transmissions to and from the FACP from the detector shall be via communications circuitry which is factory fitted to the detector by the original detector manufacturer and forms a complete and integral part of the detector

5.2.11. The detector shall be supplied complete, fully tested and calibrated.

5.2.12. The unique address of the detector shall be set by the installer by means of a coded plastic card fitted to the detector base.

5.2.13. The detector shall be capable of being remotely tested from the control panel by the transmission of an output command bit to the addressed detector. This shall result in a healthy detector transmitting back an analogue value in excess of the recommended fire alarm threshold. The FACP will recognise this as a test signal and shall not raise an alarm against this signal.

## 5.3. Heat Detectors

5.3.1. The heat detector shall be electronic in operation and suitable for connecting to a 24 V central system which can operate within the voltage range of 17 V -28 V DC.

5.3.2. The device shall detect temperature by means of an NTC thermistor and shall operate when the set rate of change of temperature is reached.

5.3.3. A red indicator LED shall be provided on the detector which illuminates when the detector has reached a pre-set alarm level. The indicator shall be operated independently of the detector from the FACP.

5.3.4. Provision shall be made for an output from the detector suitable for operating a remote indicator or other device with a current limitation of 4 milliamps. The output shall be operated independently of the heat detector from the FACP.

5.3.5. The detector shall be capable of operating within the following environmental limits: Temperature operating range -20 °C to +60 °C (no condensation)  
Humidity operating range 0 % to 95% RH

Wind speeds—not affected.

5.3.6. Separate mounting bases shall be required which enable ready removal of the detectors for maintenance. The bases shall be fitted with dual finger stainless steel contacts.

5.3.7. The construction of the detector and bases shall be in white self-extinguishing polycarbonate plastic. Full circuitry must be protected against moisture and fungus. The detectors must be unobtrusive when installed, having a dimension not exceeding 50 mm x 100 mm diameter maximum including the mounting base.

5.3.8. The detector shall incorporate a feature enabling it to be locked securely to its base.

5.3.9. Data transmissions to and from the control panel from the detector shall be via communications circuitry which is factory fitted to the detector by the original detector manufacturer and forms a complete and integral part of the detector.

5.3.10. The detector shall be supplied complete and fully tested and calibrated.

5.3.11. The unique address of the detector shall be set by the installer by means of a coded plastic card fitted to the detector base.

5.3.12. The detector shall be capable of being remotely tested from the FACP by the transmission of an output command bit to the addressed detector. This shall result in a healthy detector transmitting an analogue value in excess of the recommended fire alarm threshold. The control panel will recognise this as a test signal and shall not raise an alarm against this signal.

#### **5.4. Additional Specifications for Multi-sensor Detectors**

5.4.1. The following specifications are in addition to the common specifications of detectors and apply to multi-sensor detectors only.

5.4.2. Multi-sensor detectors shall be analogue addressable, suitable for detection of visible products of combustion (smoke) and have a fixed temperature threshold of class A2S.

5.4.3. Multi-sensor detectors shall otherwise have the characteristics described in section 3 of this specification.

5.4.4. The detector shall be capable of being remotely tested from the FACP by the transmission of an output command bit to the addressed detector. This shall result in a healthy detector transmitting an analogue value in excess of the recommended fire alarm threshold. The control panel will recognise this as a test signal and shall not raise an alarm against this signal.

#### **5.5. Manual Call Points (Addressable)**

5.5.1. The call point shall be manufactured from self-extinguishing red plastic.

5.5.2. The overall size of the call point shall not exceed 87 mm x 87 mm x 52 mm.

5.5.3. The call point shall be based upon a standard product manufactured by a reputable call point manufacturer. The manual call point shall then be modified by the manufacturer of the heat and smoke detectors to incorporate a communications module within the call point. No external alterations to the call point shall be made other than the fixing of a flush mounted LED to be located to the left of the word 'Fire' which shall appear in black letters across the top of the call point on the vertical face. The LED shall be red in colour.

5.5.4. The LED shall illuminate when the manual call point is activated. However, the illumination of the LED will be by command from the FACP. The activation/breakable material should be a deflectable plastic not glass.

#### **5.6. Short-circuit Isolators**

5.6.1. Short-circuit isolators shall be of the stand-alone type with a mounting base that is unique to the isolator or may be incorporated into the mounting base of a detector. Isolators may also be incorporated into interfaces.

5.6.2. In the event of a short-circuit fault on the loop wires the isolators shall be capable of sensing the short circuit and disconnecting the affected part of the loop within 50µs.

5.6.3. Isolators shall operate at between 17 V and 28 Vdc. in normal conditions. The isolators shall open and disconnect the affected part of the loop when the loop voltage falls to  $14 \pm 0.4$  V.

5.6.4. The isolators on either side of the short-circuit fault shall test the integrity of that part of the loop every 4–5 seconds. If the short-circuit fault is no longer present, the affected part of the loop shall be re-connected.

5.6.5. The isolators shall be supplied by the supplier of the detectors and interfaces. The mouldings of the isolators, the isolator bases and the isolating bases shall be of the same material as the detectors and bases.

5.6.6. The isolators shall be capable of operating in the following environments:

Temperature range  $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$  (no condensation or icing)

Humidity 0 % to 95 % RH (no condensation)

Design environment indoor use only

## 5.7. Output Unit

5.7.1. The output unit shall provide a volt free changeover relay contact operated by command from the control and indicating equipment (FACP).

5.7.2. The contacts of the relay output unit shall be rated at a minimum of 1 A at 24 Vdc.

5.7.3. The output unit shall be capable of deriving its operating power from the addressable loop.

5.7.4. The output unit shall provide a red LED indication that the relay has operated.

## 5.8. Switch Monitor

5.8.1. The switch monitor shall provide status monitoring of one or more single pole, volt-free contacts connected on a single pair of cables, to the FACP.

5.8.2. The switch monitor shall provide the facility to monitor the input wiring for open and short circuits and transmit the necessary fault signal to the FACP.

5.8.3. The switch monitor will communicate four input states to the FACP - 'Normal', 'Fault', 'Pre- Alarm' and 'Alarm'.

5.8.4. The switch monitor shall provide a red LED indication for an 'Alarm' condition and a yellow LED for a 'Fault'. The switch monitor shall be capable of deriving its power directly from the addressable loop.

5.8.5. A version with identical functionality but smaller dimensions shall be available for use where space is limited.

5.8.6. A version with additional functionality shall be available for use where a delay in response is required.

## 5.9. Addressable Mini Switch Monitor (Interrupt)

5.9.1. The mini switch monitor (interrupt) shall provide status monitoring of one or more single pole, volt-free contacts connected on a single pair of cables, to the FACP.

5.9.2. The mini switch monitor (interrupt) shall provide the facility to monitor the input wiring for open and short circuits and transmit the necessary fault signal to the FACP.

5.9.3. The mini switch monitor (interrupt) will communicate three input states to the FACP— 'Normal', 'Fault' and 'Alarm'.

5.9.4. The mini switch monitor (interrupt) shall provide a 'priority interrupt' where a fast response to the signal is required.

5.9.5. The mini switch monitor (interrupt) shall provide an integral red LED and provision for a remote LED which is switched automatically with the integral LED.

5.9.6. The mini switch monitor (interrupt) shall have small dimensions for use where space is limited.

## 5.10. Sounder Control Unit

5.10.1. The sounder control unit shall be capable of monitoring and driving a circuit of alarm sounders.

5.10.2. The output of the sounder control unit shall be rated at 1A.

5.10.3. The sounder control unit shall be capable of operating the sounders in a pulsing or continuous mode as determined by the FACP.

5.10.4. The sounder control unit shall provide the facility to monitor the wiring to the alarm devices for open or short-circuit and transmit the necessary fault signal to the FACP.

5.10.5. The sounder control unit shall provide the facility to monitor for failure of the local power supply and transmit the necessary fault signal to the FACP.

5.10.6. The sounder control unit shall provide a red LED indication that the sounder circuit has been actuated. It shall also provide a yellow LED indication for any detected faults.

5.10.7. The sounder control unit should be capable of being addressed into a group by means of a separate 4 bit DIL switch.

5.10.8. The sounder control unit should have the facility for synchronising the output for continuous and pulsed operation with other addressable alarm devices.

### **5.11. Input/Output Unit**

5.11.1. The input/output unit shall provide a volt free changeover relay contact operated by command from the FACP.

5.11.2. The contacts of the input/output unit shall be rated at a minimum of 1 A at 24 Vdc.

5.11.3. The input/output unit shall be capable of deriving its operating power from the addressable loop.

5.11.4. The input/output unit shall provide a red LED indication that the relay has operated.

5.11.5. The input/output unit shall provide a yellow LED to indicate a 'Fault' condition; open and short circuit on the input wiring, and a red LED to indicate when the switch input is closed.

5.11.6. The input/output unit shall provide monitoring of the status of a single pole, volt free contact connected on a single pair of cables, to the FACP.

5.11.7. The input/output unit shall provide a further opto-coupled input for monitoring an external voltage.

5.11.8. The input/output unit will communicate three input states to the FACP: 'Normal', 'Fault' and 'Switch Closed'.

### **5.12. Mains Switching Input/Output Unit**

5.12.1. The mains switching input/output unit shall provide a single-pole voltage free relay contact operated by command from the FACP.

5.12.2. The relay contact of the mains switching input/ output unit shall be rated at a minimum of 5 A at 250 Vac. and 2 A at 48 Vdc.

5.12.3. The mains switching input/output unit shall be capable of deriving its operating power from the addressable loop.

5.12.4. The mains switching input/output unit shall provide a red LED indication that the relay has operated.

5.12.5. The mains switching input/output unit shall provide a yellow LED to indicate a 'Fault' condition; open and short circuit on the input wiring, and a red LED to indicate when the switch input is closed.

5.12.6. The mains switching input/output unit shall provide status monitoring of one or more single pole, volt-free contacts connected on a single pair of cables, to the FACP.

5.12.7. The mains switching input/output unit will communicate three input states to the FACP: 'Normal', 'Fault' and 'Switch Closed'.

### **5.13. DIN Rail Interface Units**

5.13.1. DIN rail Interfaces feature enclosures that clip to standard 35 mm DIN rails or are screwed to the base of a larger enclosure.

5.13.2. The following interface units shall be available in DIN rail format: -

- Input/output unit

- Output unit
- Switch monitor
- Switch monitor plus
- Zone monitor
- Mains switching Input/Output
- Sounder Circuit Controller

### **5.14. Intelligent Base Sounder**

5.14.1. The addressable base sounder shall provide an output of 85 dB (A) at 1 metre and will have a low current consumption at this level.

5.14.2. The addressable base sounder shall have a DIL switch selectable option of changing the output to 92 dB (A) at 1 metre.

5.14.3. The addressable base sounder shall be supplied as a sounder base only, so that a detector can be fitted, or with a cover for use as a stand-alone sounder.

5.14.4. The addressable base sounder shall produce either a continuous alternating tone of 0.5 s 610 Hz, 0.5 s 510 Hz or a pulsed tone of 1 s 510 Hz, 1 s off, on command from the FACP.

5.14.5. The addressable base sounder shall be capable of deriving its power directly from the addressable loop.

5.14.6. A version of the addressable base sounder shall be available with identical functionality but without a terminal block for points where an isolating base is to be used.

### **5.15. Addressable Open Area Sounder**

5.15.1. The addressable open area sounder shall provide an output of 100 dB (A) at 1 metre and have a low current consumption at this level.

5.15.2. The addressable open area sounder shall produce either a continuous alternating tone or a pulsed tone on command from the FACP.

5.15.3. The addressable open area sounder shall have a DIL switch selectable option of changing the volume output to 92 dB (A) at 1 metre.

5.15.4. The addressable open area sounder shall be capable of deriving its power directly from the addressable loop.

5.15.5. The addressable open area sounder shall have the facility to be synchronised in continuous and pulsed operation with other addressable alarm devices.

5.15.6. The addressable open area sounder shall have the facility to be addressed as part of a group by using a separate 4-bit DIL switch.

5.15.7. A weatherproof version rated to IP65 shall also be available

### **5.16. Intelligent Base Beacon**

5.16.1. The beacon base is a loop-powered beacon combined with a standard detector mounting base. A version with built-in isolator shall also be available.



5.16.2. The addressable beacon base shall be supplied as a beacon base only, so that a detector can be fitted, or with a cover for use as a stand-alone unit.

5.16.3. The beacon base shall offer the following: -

- Beacon flash rate of once per second
- Synchronisation of beacon flash
- Individual and group addressing
- Beacon self-test

#### **5.17. Loop-Powered Beacon**

5.17.1. The loop-powered beacon is a local area beacon designed for indoor use and requires a standard detector base or alternatively can be mounted on the intelligent base sounder.

5.17.2. The loop-powered beacon shall offer the following: -

- Beacon flash rate of once per second
- The use of LEDs for low power consumption
- Automatic LED check when beacon is activated
- Fault signal if LED check failed
- Lockable onto base
- Synchronisation with other sounders

#### **5.18. Intelligent Sounder/Beacon Base**

5.18.1. The loop-powered sounder beacon base combines a sounder with a beacon and a detector base in one unit. A version with built-in isolator shall also be available.

5.18.2. The loop-powered sounder beacon base shall be supplied as a sounder beacon base only, so that a detector can be fitted, or with a cover for use as a stand-alone unit.

5.18.3. The loop-powered sounder beacon base shall offer the following: -

- Beacon flash rate of once per second
- Synchronisation of beacon flash and sounder
- Individual and group addressing
- Beacon self-test
- A high and low volume setting controlled via DIL switch

#### **5.19. Addressable Sounder/Beacon**

5.19.1. The addressable sounder beacon is designed for operation in an open area and is loop powered.

5.19.2. The addressable sounder beacon shall offer the following: -

- Two volume settings 92 dB (A) and 100 dB (A)
- Individual and group addressing (via DIL switch)
- Synchronisation or 'alert' and 'evacuate' tones
- Available with or without built-in isolator
- Weatherproof version available
- Three tones standard

#### **5.20. Gas Control Unit (GCU)**

5.20.1. This unit shall control the automatic release of the FM200 gas (fire extinguishant).

5.20.2. Two separate fire alarms signals are required to initiate the release sequence. The automatic release may be switched to manual release mode via a key switch on the panel. A manual release mechanism shall be housed on the panel facia.

5.20.3. Visual alarm, audible alarm and gas discharge outputs shall be monitored for short and open circuit fault. The two fire alarm inputs shall also be monitored. These circuits shall be provided with lightning



protection. The first fire signal received shall activate a 24 Vdc. bell contact, the second fire signal shall activate the two initiate outputs and after a 30 or 60 second delay, the discharge output.

5.20.4. Panel housing shall have transparent window to view panel, be of at least IP54 for coastal conditions.

## **6. Human Machine Interface (HMI) System**

### **6.1. Functional Description**

6.1.1. The system shall be compatible with any FACP, and fully capable of using all of the features of the detection, alarm indicating and other devices.

6.1.2. The Structured Query Language (SQL) database shall be opensource, reliable and robust.

6.1.3. The system shall handle all known Alarm Receiver formats and have built in TCP/IP capability and can therefore communicate across LANS, WANS, or the Internet.

6.1.4. The HMI system shall incorporate multiple independent monitoring codes, each with the facility to link to different decoding categories.

6.1.5. Zone descriptions shall be maintained independently of the equipment in use on the premises.

6.1.6. The system shall facilitate the monitoring of multiple reporting device for each client with a periodic test function which caters for independent NO TEST report tracking on each device. The times scales for periodic test shall range from 5 minutes to 99 days

### **6.2. Weblink SMS Module**

6.2.1. This module is required to send messages to clients about signals or events from the FACP.

6.2.2. This module shall offer bulk SMS delivery, for which the client purchases SMS credits that can be used as and when required.

6.2.3. The service shall be instantaneous, and the client is notified well in advance when their SMS credits are running low.

6.2.4. Key functions include • Sends automatic SMS to listed Key Holders on activation of selected events.

- Customizable message content per client per event.
- Sends SMS to a single or group of Key Holders.
- Sends a manual SMS to Cellular handsets.
- Sends Bulk SMS's to selected clients with filtering functions.
- Sets up recurring "diary" SMS alerts.
- Relay events to HMI system by SMS.
- Alarm on Test to Technician SMS interface.
- Custom SMS interface options

### **6.3. Back-up System**

6.3.1. A real-time data synchronisation module shall keep primary system and back-up system fully sync with each other.

### **6.4. Remote access, Maintenance and Support (RMS) service**

6.4.1. There shall be 24/7 support available.

6.4.2. Remote access and remote-control computer software with the client's permission to access the server or Personal Computer (PC) to identify and if necessary, fix a problem, or assist.

## **6.5. Personal Computer (PC) Specifications**

6.5.1. Genuine motherboards to be used with sufficient Peripheral Component Interconnect (PCI) or Peripheral Component Interconnect Express (PCI-e) slots to accommodate additional serial cards (RS232 ports for base, receiver or modem connections)

6.5.2. A minimum of an i5 Central Processing Unit (CPU) is recommended.

6.5.3. A minimum of 256 Gb Solid State Drive (SSD). A secondary hard drive is recommended for backup purposes.

6.5.4. RS232 ports to be installed into the PC. Each base station or receiver requires its own RS232 port. Do not use USB to RS232 converters to link input units.

6.5.5. A minimum of 8 Gb Random-Access Memory (RAM).

6.5.6. The operating system shall be Windows 10 Pro.

6.5.7. The file server PC shall have a minimum of an i7 or Xeon CPU with 12 Gb RAM and operating system Windows 10 Pro, Windows Server 2012/2016.

6.5.8. The workstations linked to the server shall have a minimum i3 CPU with 4 Gb RAM and operating system Windows 10 Pro.

6.5.9. The minimum version of Internet Explorer shall be 11.

6.5.10. A good internet connection is required for support access, IP receivers and RMS service.



**PART C4: SITE INFORMATION**

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Core clause 11.2(16) states

“Site Information is information which describes the Site and its surroundings and is in the documents which the Contract Data states it is in.”

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