


TENDER DOCUMENT GOODS AND SERVICES		 CITY OF CAPE TOWN ISIXEKO SASEKAPA STAD KAAPSTAD
SUPPLY CHAIN MANAGEMENT		
SCM - 542		Version: 9.1 Page 1 of 20

TENDER NO: 103S/2023/24

TENDER DESCRIPTION: SUPPLY, INSTALLATION, MAINTENANCE AND SUPPORT OF FIRE ALARM SYSTEMS, EQUIPMENT AND ANCILLARIES

CONTRACT PERIOD: FROM DATE OF COMMENCEMENT UNTIL 30 JUNE 2031

VOLUME 1: TENDERING PROCEDURES

CLOSING DATE: 12 December 2024

CLOSING TIME: 10:00 a.m.

TENDER BOX
NUMBER: 142

TENDER FEE: **R 200** Non-refundable tender fee payable to City of Cape Town (CCT) for a hard copy of the tender document. This fee is not applicable to website downloads of the tender document.

TENDERER	
NAME of Company/Close Corporation or Partnership / Joint Venture/ Consortium or Sole Proprietor /Individual	
TRADING AS (if different from above)	

NATURE OF TENDER OFFER (please indicate below)	
Main Offer (see clause 2.2.11.1)	
Alternative Offer (see clause 2.2.11.1)	

TENDER SERIAL NO.:	
SIGNATURES OF CITY OFFICIALS AT TENDER OPENING	
1	
2	
3	

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VOLUME 1: THE TENDER

(1) GENERAL TENDER INFORMATION

TENDER ADVERTISED	:	10 November 2023
SITE VISIT/CLARIFICATION MEETING	:	Wednesday 22 November 2023 at 15:00pm (Not compulsory, but strongly recommended)
VENUE FOR SITE VISIT/CLARIFICATION MEETING	:	Via Skype For Business
	:	https://meet.capetown.gov.za/mzingisi.mbuyazwe/V0ZQV55N?sl=1
TENDER BOX & ADDRESS	:	Tender Box as per front cover at the Tender & Quotation Boxes Office , 2 nd Floor (Concourse Level), Civic Centre, 12 Hertzog Boulevard, Cape Town.
	:	The Tender Document (which includes the Form of Offer and Acceptance) completed in all respects, plus any additional supporting documents required, must be submitted in a sealed envelope with the name and address of the tenderer, the endorsement “TENDER NO. 103S/2023/24 – SUPPLY, SUPPLY, INSTALLATION, MAINTENANCE AND SUPPORT OF FIRE ALARM SYSTEMS, EQUIPMENT AND ANCILLARIES. the tender box No. and the closing date indicated on the envelope. The sealed envelope must be inserted into the appropriate official tender box before closing time. If the tender offer is too large to fit into the abovementioned box or the box is full, please enquire at the public counter (Tender Distribution Office) for alternative instructions. It remains the tenderer’s responsibility to ensure that the tender is placed in either the original box or as alternatively instructed.
CCT TENDER REPRESENTATIVE		Name: Shaun Terhart Email: Shaun.Terhart@capetown.gov.za Name: Mogamat Fahmie Sedick Email: MogamatFahmie.Sedick@capetown.gov.za

TENDERERS MUST NOTE THAT WHEREVER THIS DOCUMENT REFERS TO ANY PARTICULAR TRADE MARK, NAME, PATENT, DESIGN, TYPE, SPECIFIC ORIGIN OR PRODUCER, SUCH REFERENCE SHALL BE DEEMED TO BE ACCOMPANIED BY THE WORDS ‘OR EQUIVALENT’

(2) CONDITIONS OF TENDER

2.1 General

2.1.1 Actions

2.1.1.1 The City of Cape Town (CCT) 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 these Conditions of Tender, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations.

The parties agree that this tender, its evaluation and acceptance and any resulting contract shall also be subject to the Employer's Supply Chain Management Policy ('SCM Policy') that was applicable on the date the bid was advertised, save that if the Employer adopts a new SCM Policy which contemplates that any clause therein would apply to the contract emanating from this tender, such clause shall also be applicable to that contract. Please refer to this document contained on the Employer's website.

Abuse of the supply chain management system is not permitted and may result in the tender being rejected, cancellation of the contract, restriction of the supplier, and/or the exercise by the City of any other remedies available to it as described in the SCM Policy.

2.1.1.2 The CCT, the tenderer and 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 CCT shall declare any conflict of interest to the CCT 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.

2.1.1.3 The CCT shall not seek, and a tenderer shall not submit a tender, without having a firm intention and capacity to proceed with the contract.

2.1.2 Interpretation

2.1.2.1 The additional requirements contained in the returnable documents are part of these Conditions of Tender.

2.1.2.2 These Conditions of Tender and returnable schedules which are required for tender evaluation purposes, shall form part of the contract arising from the invitation to tender.

2.1.3 Communication during tender process

Verbal or any other form of communication, from the CCT, its employees, agents or advisors during site visits/clarification meetings or at any other time prior to the award of the Contract, will not be regarded as binding on the CCT, unless communicated by the CCT in writing to suppliers by its Director: Supply Chain Management or his nominee.

2.1.4 The CCT's right to accept or reject any tender offer

2.1.4.1 The CCT may accept or reject any tender offer and may cancel the tender process or reject all tender offers at any time before the formation of a contract. The CCT 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 services, works or goods requested; or
- (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; or
- (e) the parties are unable to negotiate market related pricing.

The CCT shall not accept or incur any liability to a tenderer for such cancellation or rejection, but will give written reasons for such action upon receiving a written request to do so.

2.1.5 Procurement procedure

2.1.5.1 General

Unless otherwise stated in the tender conditions, a contract will be concluded with the tenderer who scores the highest number of tender adjudication points.

The CCT intends to appoint two tenderers (the highest ranked tenderer (“the winner”) and in addition a “standby tenderer”) for the allocation of work for all schedules; S. If insufficient responsive bids are received, the CCT reserves the right to appoint fewer tenderers, or not to appoint any tenderers at all.

The contract period shall be for a period of **six years** from the date of commencement of the contract until 30 June 2031, subject to Section 33 of The Local Government Municipal Finance Management Act 56 of 2003 as this tender will impose financial obligations on the City for a period longer than the three (3) financial years.

2.1.5.2 Proposal procedure using the two stage-system

A two-stage system will not be followed.

2.1.5.3 Nomination of Standby

Standby Bidder means a bidder, identified at the time of awarding a bid, that will be considered for award should the contract be terminated for any reason whatsoever. In the event that a contract is terminated during the execution thereof, the CCT may consider the award of the contract, or non-award, to the standby bidder in terms of the procedures included its SCM Policy.

2.1.6 Objections, complaints, queries and disputes/ Appeals in terms of Section 62 of the Systems Act/ Access to court

2.1.6.1 Disputes, objections, complaints and queries

In terms of Regulations 49 and 50 of the Local Government: Municipal Finance Management Act, 56 of 2003 Municipal Supply Chain Management Regulations (Board Notice 868 of 2005):

- a) Persons aggrieved by decisions or actions taken by the City of Cape Town in the implementation of its supply chain management system, may lodge within 14 days of the decision or action, a written objection or complaint or query or dispute against the decision or action.

2.1.6.2 Appeals

- a) In terms of Section 62 of the Local Government: Municipal Systems Act, 32 of 2000 a person whose rights are affected by a decision taken by the City, may appeal against that decision by giving written notice of the appeal and reasons to the City Manager within 21 days of the date of the notification of the decision.
- b) An appeal must contain the following:
 - i. Must be in writing
 - ii. It must set out the reasons for the appeal
 - iii. It must state in which way the Appellant's rights were affected by the decision;
 - iv. It must state the remedy sought; and
 - v. It must be accompanied with a copy of the notification advising the person of the decision
- c) The relevant City appeal authority must consider the appeal and **may confirm, vary or revoke** the decision that has been appealed, but no such revocation of a decision may detract from any rights that may have accrued as a result of the decision.

2.1.6.3 Right to approach the courts and rights in terms of Promotion of Administrative Justice Act, 3 of 2000 and Promotion of Access to Information Act, 2 of 2000

The sub- clauses above do not influence any affected person's rights to approach the High Court at any time or its rights in terms of the Promotion of Administrative Justice Act (PAJA) and Promotion of Access to Information Act (PAIA).

2.1.6.4 All requests referring to sub clauses 2.1.6.1 and 2.1.6.2 must be submitted in writing to:

The City Manager - C/o the Manager: Legal Compliance Unit, Legal Services Department, Corporate Services Directorate

Via hand delivery at: 20th Floor, Tower Block, 12 Hertzog Boulevard, Cape Town 8001

Via post at: Private Bag X918, Cape Town, 8000

Via fax at: 021 400 5963 or 021 400 5830

Via email at: MSA.Appeals@capetown.gov.za

2.1.6.5 All requests referring to clause 2.1.6.3 must be submitted in writing to:

The City Manager - C/o the Manager: Access to Information Unit, Corporate Services Directorate

Via hand delivery at: 20th Floor, Tower Block, 12 Hertzog Boulevard, Cape Town 8001

Via post at: Private Bag X918, Cape Town, 8000

Via fax at: 086 202 9982

Via email at: Access2info.Act@capetown.gov.za

2.1.6.6 The minimum standards regarding accessing and 'processing' of any personal information belonging to another in terms of Protection of Personal Information Act, 2013 (POPIA).

The Employer, its employees, representatives and sub-contractors may, from time to time, Process the Contractor's and/or its employees', representatives' and/or sub-contractors' Personal Information, for purposes of, and/or relating to, the tender, this agreement, for research purposes, and/or as otherwise may be envisaged in the Employer's Privacy Notice and/or in relation to the Employer's Supply Chain Management Policy or as may be otherwise permitted by law. This includes the employers due diligence assurance provider and the Appeal Authority

2.1.6.7 Compliance to the City's Appeals Policy.

"In terms of the City's Appeals Policy, a fixed upfront administration fee will be charged. In addition, a surcharge may be imposed for vexatious tender related appeals.

*The current approved administration fee is R300.00 and may be paid at any of the Municipal Offices or at the Civic Centre in Cape Town using the GL Data Capture Receipt attached as annexure 'B'. Alternatively, via EFT into the City's **NEDBANK** Account: **CITY OF CAPE TOWN** and using Reference number: **198158966**. You are required to send proof of payment when lodging your appeal.*

Should the payment of the administration fee of R300.00 not be received, such fee will be added as a Sundry Tariff to your municipal account.

In the event where you do not have a Municipal account with the City, the fee may be recovered in terms of the City's Credit Control and Debt Collection By-law, 2006 (as amended) and its Credit Control and Debt Collection Policy."

2.1.7 City of Cape Town Supplier Database Registration

Tenderers are required to be registered on the CCT Supplier Database as a service provider. Tenderers must register as such upon being requested to do so in writing and within the period contained in such a request, failing which no orders can be raised or payments processed from the resulting contract. In the case of Joint Venture partnerships this requirement will apply individually to each party of the Joint Venture.

Tenderers who wish to register on the City of Cape Town's Supplier Database may collect registration forms from the Supplier Management Unit located within the Supplier Management / Registration Office, 2nd Floor (Concourse Level), Civic Centre, 12 Hertzog Boulevard, Cape Town (Tel 021 400 9242/3/4/5). Registration forms and related information are also available on the City of Cape Town's website www.capetown.gov.za (follow the Supply Chain Management link to Supplier registration). It is each tenderer's responsibility to keep all the information on the CCT Supplier Database updated.

2.1.8 National Treasury Web Based Central Supplier Database (CSD) Registration

Tenderers are required to be registered on the National Treasury Web Based Central Supplier Database (CSD) as a service provider. Tenderers must register as such upon being requested to do so in writing and within the period contained in such a request, failing which no orders can be raised or payments processed from the resulting contract. In the case of Joint Venture partnerships this requirement will apply individually to each party of the Joint Venture.

Tenderers who wish to register on the National Treasury Web Based Central Supplier Database (CSD) may do so via the web address <https://secure.csd.gov.za>.

It is each tenderer's responsibility to keep all the information on the National Treasury Web Based Central

Supplier Database (CSD) updated.

2.2 Tenderer's obligations

2.2.1 Eligibility Criteria

2.2.1.1 Tenderers are obligated to submit a tender offer that complies in all aspects to the conditions as detailed in this tender document. An 'acceptable tender must "COMPLY IN ALL' aspects with the tender conditions, specifications, pricing instructions and contract conditions.

2.2.1.1.1 Submit a tender offer

Only those tender submissions from which it can be established that a clear, irrevocable and unambiguous offer has been made to CCT, by whom the offer has been made and what the offer constitutes, will be declared responsive.

2.2.1.1.2 Compliance with requirements of CCT SCM Policy and procedures

Only those tenders that are compliant with the requirements below will be declared responsive:

- a) A completed **Details of Tenderer** to be provided (applicable schedule to be completed);
- b) A completed **Certificate of Authority for Partnerships/ Joint Ventures/ Consortiums** to be provided authorising the tender to be made and the signatory to sign the tender on the partnership /joint venture/consortium's (applicable schedule to be completed);
- c) A copy of the partnership / joint venture / consortium agreement to be provided.
- d) A completed **Declaration of Interest – State Employees** to be provided and which does not indicate any non-compliance with the legal requirements relating to state employees (applicable schedule to be completed);
- e) A completed **Declaration – Conflict of Interest and Declaration of Bidders' past Supply Chain Management Practices** to be provided and which does not indicate any conflict or past practises that renders the tender non-responsive based on the conditions contained thereon (applicable schedules to be completed);
- f) A completed **Certificate of Independent Bid Determination** to be provided and which does not indicate any non-compliance with the requirements of the schedule (applicable schedule to be completed);
- g) The tenderer (including any of its directors or members), has not been restricted in terms of abuse of the Supply Chain Management Policy;
- h) The tenderer's tax matters with SARS are in order, or the tenderer is a foreign supplier that is not required to be registered for tax compliance with SARS;
- i) The tenderer is not an advisor or consultant contracted with the CCT whose prior or current obligations creates any conflict of interest or unfair advantage;
- j) The tenderer is not a person, advisor, corporate entity or a director of such corporate entity, involved with the bid specification committee;
- k) A completed **Authorisation for the Deduction of Outstanding Amounts Owed to the City of Cape Town** to be provided and which does not indicate any details that renders the tender non-responsive based on the conditions contained thereon (applicable schedules to be completed);
- l) The tenderer (including any of its directors or members), has not been found guilty of contravening the Competition Act 89 of 1998, as amended from time to time;
- m) The tenderer (including any of its directors or members), has not been found guilty on any other basis listed in the Supply Chain Management Policy.

2.2.1.1.3 Additional Eligibility Criteria

2.2.1.1.3.1 OEM ACCREDITATION

To be declared responsive, tenderers **MUST** be authorised by the OEM or an Accredited Distributor to sell the goods, support and manage any warranty processes and escalations, as and when required. Proof of such authorisation must be submitted with the tender document as follows:

- a) Should the tenderer be accredited by an OEM, proof of accreditation from the OEM **MUST** be submitted with the tender document, please append evidence in Schedule 13.
- b) Should the tenderer be accredited by an Accredited Distributor, the following documents **MUST** be submitted with the tender, please append evidence in Schedule 13.
 - Proof of the Distributor's OEM accreditation by the OEM **MUST** be submitted with the tender document, and

- Proof of accreditation / authorisation of the Tenderer by the Distributor **MUST** be submitted with the tender document.

2.2.1.1.4 MANDATORY REQUIREMENTS

Evidence of SAQCC Fire registration

To be declared responsive, the Tenderer's staff responsible for the design, installation and maintenance of the fire alarm system must be registered and in good standing with the South African Qualifications and Certification Committee [SAQCC] Fire. In this regard, the Tenderer must submit evidence in the form of a valid certificate of registration with the SAQCC Fire in schedule 13.

2.2.1.1.4 Minimum score for functionality

Only those tenders submitted by tenderers who achieve the minimum score for functionality as stated below will be declared responsive.

The description of the functionality criteria and the maximum possible score for each is shown in the table below. The score achieved for functionality will be the sum of the scores achieved, in the evaluation process, for the individual criteria.

Item	Evaluation Criteria	Applicable values/points	Maximum Points
1.	Company Experience Please provide the number of years the tenderer has been actively providing services for Fire Alarm Systems and related systems. Please respond to this functional requirement in Schedule 13A	<ul style="list-style-type: none"> • < 1 year - 0 point • ≥ 1 and ≤ 2 years - 2 point • > 2 and ≤ 4 years - 5 points • > 4 and ≤ 8 years - 15 points • > 8 and ≤ 10 years - 20 points • > 10 years – 25 points 	25 points
2	Track record - Fire Alarm Experience . The tenderer must have had projects where it installed, supported and managed Fire Alarm Systems for Enterprise Clients. A project is defined as building owned by business using a Fire Alarm system and where the Fire Alarm system has a minimum of 5 000 connected devices Please completed schedule 13A to respond to this requirement	<ul style="list-style-type: none"> • 0 Projects Clients – 0 points • 1 to 3 projects – 5 points • 4 to 6 projects – 10 points • 7 to 10 projects – 20 points • 11 projects and more – 30 points 	30 points
3.	Technical Support The tenderer must have a technical support capability (call centre/helpdesk) which may support business hours as well as 24x7 after-hours technical support. Please state the operating hours of your technical support capabilities (call centre/helpdesk) (e.g. business hours only, or a 24/7/365) centre/helpdesk Please provide evidence in schedule 13 B	<ul style="list-style-type: none"> • No technical support – 0 points • Business Hours Weekday, No Weekend - 2 points • Business Hours weekday, limited business-hours weekend – 3 points • Business Hours, 7 days – 5 points • 12hours/7 days – 10 points • 24-hour/ 7days/365 – 15 points 	15 points

Item	Evaluation Criteria	Applicable values/points	Maximum Points
4.	<p>Staff: Technical and Support</p> <p>The tenderer must have technical staff with at least 3 years experience in the Fire Alarm environment. These officials must also have SAQCC certification in all required levels.</p> <p>Please provide the list of Technical staff with at least 3 years experience and more in the Fire Alarm environment in schedule 13 C. SAQCC certificates for each individual must also be attached to this Schedule</p>	<ul style="list-style-type: none"> No Technical staff with experience of more than 3 years in the Fire Alarm environment and SAQCC Certification – 0 points 1 Technical staff with at least 3 years experience in the Fire Alarm environment and SAQCC Certification – 10 points. 2 Technical staff with experience 3 years experience in the Fire Alarm environment and SAQCC Certification – 15 points 3 Technical staff with 3 years experience in the Fire Alarm environment and the SAQCC Certification – 20 points 4 Technical staff with 3 years experience in the Fire Alarm environment and SAQCC Certification – 25 points 5 Technical staff with 3 years experience in the Fire Alarm environment and SAQCC Certification – 30 points 	<ul style="list-style-type: none"> 30 points
Total Achievable Points for Functional Questions			100 points

Where the entity tendering is a Joint Venture the tender must be accompanied by a statement describing exactly what aspects of the work will be undertaken by each party to the joint venture.

Tenderers shall ensure that all relevant information has been submitted with the tender offer in the prescribed format to ensure optimal scoring of functionality points for each Evaluation Criteria. Failure to provide all information **IN THIS TENDER SUBMISSION** could result in the tenderer not being able to achieve the specified minimum scoring.

The minimum qualifying score for functionality is **60** out of a maximum of **100**

2.2.1.1.7 Provision of samples

Not Applicable

2.2.2 Cost of tendering

The CCT will not be liable 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.

2.2.3 Check documents

The documents issued by the CCT for the purpose of a tender offer are listed in the index of this tender document.

Before submission of any tender, the tenderer should check the number of pages, and if any are found to be missing or duplicated, or the figures or writing is indistinct, or if the Price Schedule contains any obvious errors, the tenderer must apply to the CCT at once to have the same rectified.

2.2.4 Confidentiality and copyright of documents

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

2.2.5 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.

2.2.6 Acknowledge and comply with notices

Acknowledge receipt of notices to the tender documents, which the CCT may issue, fully comply with all instructions issued in the notices, and if necessary, apply for an extension of the closing time stated on the front page of the tender document, in order to take the notices into account. Notwithstanding any requests for confirmation of receipt of notices issued, the tenderer shall be deemed to have received such notices if the CCT can show proof of transmission thereof via electronic mail, facsimile or registered post.

2.2.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarise themselves with aspects of the proposed work, services or supply and pose questions. Details of the meeting(s) are stated in the General Tender Information.

Tenderers should be represented at the site visit/clarification meeting by a person who is suitably qualified and experienced to comprehend the implications of the work involved.

2.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the CCT at least one week before the closing time stated in the General Tender Information, where possible.

2.2.9 Pricing the tender offer

2.2.9.1 Comply with all pricing instructions as stated on the Price Schedule.

2.2.10 Alterations to documents

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

2.2.11 Alternative tender offers

2.2.11.1 Unless otherwise stated in the tender conditions submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted.

If a tenderer wishes to submit an alternative tender offer, he shall do so as a separate offer on a complete set of tender documents. The alternative tender offer shall be submitted in a separate sealed envelope clearly marked "Alternative Tender" in order to distinguish it from the main tender offer.

Only the alternative of the highest ranked acceptable main tender offer (that is, submitted by the same tenderer) will be considered, and if appropriate, recommended for award.

Alternative tender offers of any but the highest ranked main tender offer will not be considered.

An alternative of the highest ranked acceptable main tender offer that is priced higher than the main tender offer may be recommended for award, provided that the ranking of the alternative tender offer is higher than

the ranking of the next ranked acceptable main tender offer.

The CCT will not be bound to consider alternative tenders and shall have sole discretion in this regard.

In the event that the alternative is accepted, the tenderer warrants that the alternative offer complies in all respects with the CCT's standards and requirements.

2.2.11.2 Accept that an alternative tender offer may be based only on the criteria stated in the tender conditions or criteria otherwise acceptable to the CCT.

2.2.12 Submitting a tender offer

2.2.12.1 Submit one tender offer only on the original tender documents as issued by the CCT, either as a single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the contract conditions and described in the specifications. Only those tenders submitted on the tender documents as issued by the CCT together with all Returnable Schedules duly completed and signed will be declared responsive.

2.2.12.2 Return the entire document to the CCT after completing it in its entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

2.2.12.3 Submit the parts of the tender offer communicated on paper as an original with an English translation for any part of the tender submission not made in English.

1 (One) copy(ies) of the following elements of the bid submission must be submitted separately bound in the same envelope where possible:

Part	Heading
5	Pricing Schedules
6	Supporting Schedules
	All other attachments submitted by bidder

2.2.12.4 Sign the original tender offer where required in terms of the tender conditions. The tender shall be signed by a person duly authorised to do so. Tenders submitted by joint ventures of two or more firms shall be accompanied by the document of formation of the joint venture or any other document signed by all parties, in which is defined precisely the conditions under which the joint venture will function, its period of duration, the persons authorised to represent and obligate it, the participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner.

2.2.12.5 Where a two-envelope system is required in terms of the tender conditions, place and seal the returnable documents listed in the tender conditions 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 CCT's address and identification details stated in the General Tender Information, as well as the tenderer's name and contact address.

2.2.12.6 Seal the original tender offer and copy packages together in an outer package that states on the outside only the CCT's address and identification details as stated in the General Tender Information. . If it is not possible to submit the original tender and the required copies (see 2.2.12.3) in a single envelope, then the tenderer must seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY" in addition to the aforementioned tender submission details.

2.2.12.7 Accept that the CCT shall 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.

2.2.12.8 Accept that tender offers submitted by facsimile or e-mail will be rejected by the CCT, unless stated otherwise in the tender conditions.

2.2.12.9 By signing the offer part of the Form of Offer (**Section 2, Part A**) the tenderer warrants that all information provided in the tender submission is true and correct.

2.2.12.10 Tenders must be properly received and deposited in the designated tender box (as detailed on the front page of this tender document) on or before the closing date and before the closing time, in the relevant

tender box at the Tender & Quotation Boxes Office situated on the 2nd floor, Concourse Level, Civic Centre, 12 Hertzog Boulevard, Cape Town. If the tender submission is too large to fit in the allocated box, please enquire at the public counter for assistance.

2.2.12.12 The tenderer must record and reference all information submitted contained in other documents for example cover letters, brochures, catalogues, etc. in the returnable schedule titled **List of Other Documents Attached by Tenderer**.

2.2.13 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 CCT as non-responsive.

2.2.14 Closing time

2.2.14.1 Ensure that the CCT receives the tender offer at the address specified in the General Tender Information prior to the closing time stated on the front page of the tender document.

2.2.14.2 Accept that, if the CCT extends the closing time stated on the front page of the tender document for any reason, the requirements of these Conditions of Tender apply equally to the extended deadline.

2.2.14.3 Accept that, the CCT shall not consider tenders that are received after the closing date and time for such a tender (late tenders).

2.2.15 Tender offer validity and withdrawal of tenders

2.2.15.1 Warrants that the tender offer(s) remains valid, irrevocable and open for acceptance by the CCT at any time for a period of 120 days after the closing date stated on the front page of the tender document.

2.2.15.2 Notwithstanding the period stated above, bids shall remain valid for acceptance for a period of twelve (12) months after the expiry of the original validity period, unless the City is notified in writing of anything to the contrary by the bidder. The validity of bids may be further extended by a period of not more than six months subject to mutual agreement and administrative processes and upon approval by the City Manager.

2.2.15.3 A tenderer may request in writing, after the closing date, that the tender offer be withdrawn. Such withdrawal will be permitted or refused at the sole discretion of the CCT after consideration of the reasons for the withdrawal, which shall be fully set out by the tenderer in such written request for withdrawal. Should the tender offer be withdrawn in contravention hereof, the tenderer agrees that:

- a) it shall be liable to the CCT for any additional expense incurred or losses suffered by the CCT in having either to accept another tender or, if new tenders have to be invited, the additional expenses incurred or losses suffered by the invitation of new tenders and the subsequent acceptance of any other tender;
- b) the CCT shall also have the right to recover such additional expenses or losses by set-off against monies which may be due or become due to the tenderer under this or any other tender or contract or against any guarantee or deposit that may have been furnished by the tenderer or on its behalf for the due fulfilment of this or any other tender or contract. Pending the ascertainment of the amount of such additional expenses or losses, the CCT shall be entitled to retain such monies, guarantee or deposit as security for any such expenses or loss.

2.2.16 Clarification of tender offer, or additional information, after submission

Provide clarification of a tender offer, or additional information, in response to a written request to do so from the CCT during the evaluation of tender offers within the time period stated in such request. No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

Note: This clause does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the CCT elect to do so.

Failure, or refusal, to provide such clarification or additional information within the time for submission stated in the CCT's written request may render the tender non-responsive.

2.2.17 Provide other material

2.2.17.1 Provide, on request by the CCT, any other material that has a bearing on the tender offer, the tenderer's commercial position (including joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the CCT for the purpose of the evaluation of the tender. 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 CCT's request, the CCT may regard the tender offer as non-responsive.

2.2.17.2 Provide, on written request by the CCT, where the transaction value inclusive of VAT **exceeds R 10 million**:

- a) audited annual financial statement for the past 3 years, or for the period since establishment if established during the past 3 years, if required by law to prepare annual financial statements for auditing;
- b) a certificate signed by the tenderer certifying that the tenderer has no undisputed commitments for municipal services towards a municipality or other service provider in respect of which payment is overdue for more than 30 days;
- c) particulars of any contracts awarded to the tenderer by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract;
- d) a statement indicating whether any portion of the goods or services are expected to be sourced from outside the Republic, and, if so, what portion and whether any portion of payment from the municipality or municipal entity is expected to be transferred out of the Republic.

Each party to a Consortium/Joint Venture shall submit separate certificates/statements in the above regard.

2.2.17.3 Tenderers undertake to fully cooperate with the CCT's external service provider appointed to perform a due diligence review and risk assessment upon receipt of such written instruction from the CCT.

2.2.18 Samples, Inspections, tests and analysis

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

If the **Specification** requires the tenderer to provide samples, these shall be provided strictly in accordance with the instructions set out in the Specification.

If such samples are not submitted as required in the bid documents or within any further time stipulated by the CCT in writing, then the bid concerned may be declared non-responsive.

The samples provided by all successful bidders will be retained by the CCT for the duration of any subsequent contract. Bidders are to note that samples are requested for testing purposes therefore samples submitted to the CCT may not in all instances be returned in the same state of supply and in other instances may not be returned at all. Unsuccessful bidders will be advised by the Project Manager or dedicated CCT Official to collect their samples, save in the aforementioned instances where the samples would not be returned.

2.2.19 Certificates

The tenderer must provide the CCT with all certificates as stated below:

2.2.19.1. Broad-Based Black Economic Empowerment Status Level Documentation

In order to qualify for preference points for HDI and/or Specific Goals, it is the responsibility of the tenderer to submit documentary proof, as either certificates, sworn affidavits or any other requirement prescribed in terms of the B-BBEE Act or any other legislation relevant for the points claimed for that specific goal.

Tenderers are further referred to the content of the Preference Schedule for the full terms and conditions applicable to the awarding of preference points.

2.2.19.2 Evidence of tax compliance

Tenderers shall be registered with the South African Revenue Service (SARS) and their tax affairs must be in order and they must be tax compliant subject to the requirements of clause 2.2.1.1.2.h. In this regard, it is the responsibility of the Tenderer to submit evidence in the form of a valid Tax Compliance Status Pin issued by SARS to the CCT at the Supplier Management Unit located within the Supplier Management / Registration Office, 2nd Floor (Concourse Level), Civic Centre, 12 Hertzog Boulevard, Cape Town (Tel 021 400 9242/3/4/5), or included with this tender. The tenderer must also provide its Tax Compliance Status PIN number on the

Details of Tenderer pages of the tender submission.

Each party to a Consortium/Joint Venture shall submit a separate Tax Compliance StatusPin.

Before making an award the City must verify the bidder's tax compliance status. Where the recommended bidder is not tax compliant, the bidder should be notified of the non-compliant status and be requested to submit to the City, within 7 working days, written proof from SARS that they have made arrangement to meet their outstanding tax obligations. The proof of tax compliance submitted by the bidder must be verified by the City via CSD or e-Filing. The City should reject a bid submitted by the bidder if such bidder fails to provide proof of tax compliance within the timeframe stated herein.

Only foreign suppliers who have answered "NO" to all the questions contained in the Questionnaire to Bidding Foreign Suppliers section on the **Details of Tenderer** pages of the tender submission, are not required to register for a tax compliance status with SARS.

2.2.20 Compliance with Occupational Health and Safety Act, 85 of 1993

Tenderers are to note the requirements of the Occupational Health and Safety Act, 85 of 1993. The Tenderer shall be deemed to have read and fully understood the requirements of the above Act and Regulations and to have allowed for all costs in compliance therewith.

In this regard the Tenderer shall submit **upon written request to do so by the CCT**, a Health and Safety Plan in sufficient detail to demonstrate the necessary competencies and resources to deliver the goods or services all in accordance with the Act, Regulations and Health and Safety Specification.

2.2.21 Claims arising from submission of tender

The tenderer warrants that it has:

- a) inspected the Specifications and read and fully understood the Conditions of Contract.
- b) read and fully understood the whole text of the Specifications and Price Schedule and thoroughly acquainted himself with the nature of the goods or services proposed and generally of all matters which may influence the Contract.
- c) visited the site(s) where delivery of the proposed goods will take place, carefully examined existing conditions, the means of access to the site(s), the conditions under which the delivery is to be made, and acquainted himself with any limitations or restrictions that may be imposed by the Municipal or other Authorities in regard to access and transport of materials, plant and equipment to and from the site(s) and made the necessary provisions for any additional costs involved thereby.
- d) requested the CCT to clarify the actual requirements of anything in the Specifications and Price Schedule, the exact meaning or interpretation of which is not clearly intelligible to the Tenderer.
- e) received any notices to the tender documents which have been issued in accordance with the CCT's Supply Chain Management Policy.

The CCT will therefore not be liable for the payment of any extra costs or claims arising from the submission of the tender.

2.3 The CCT's undertakings

2.3.1 Respond to requests from the tenderer

2.3.1.1 Unless otherwise stated in the Tender Conditions, respond to a request for clarification received up to one week (where possible) before the tender closing time stated on the front page of the tender document.

2.3.1.2 The CCT's representative for the purpose of this tender is stated on the General Tender Information page.

2.3.2 Issue Notices

If necessary, issue addenda in writing that may amend or amplify the tender documents to each tenderer during the period from the date the tender documents are available until one week before the tender closing time stated in the Tender Data. The Employer reserves its rights to issue addenda less than one week before the tender closing time in exceptional circumstances. If, as a result a tenderer applies for an extension to the closing time stated on the front page of the tender document, the CCT may grant such extension and, shall then notify all tenderers who drew documents.

Notwithstanding any requests for confirmation of receipt of notices issued, the tenderer shall be deemed to have received such notices if the CCT can show proof of transmission thereof via electronic mail, facsimile or registered post.

2.3.3 Opening of tender submissions

2.3.3.1 Unless the two-envelope system is to be followed, open tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the tender conditions.

Tenders will be opened immediately after the closing time for receipt of tenders as stated on the front page of the tender document, or as stated in any Notice extending the closing date and at the closing venue as stated in the General Tender Information.

2.3.3.2 Announce at the meeting held immediately after the opening of tender submissions, at the closing venue as stated in the General Tender Information, the name of each tenderer whose tender offer is opened and, where possible, the prices indicated.

2.3.3.3 Make available a record of the details announced at the tender opening meeting on the CCT's website (<http://www.capetown.gov.za/en/SupplyChainManagement/Pages/default.aspx>.)

2.3.4 Two-envelope system

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

2.3.4.2 Evaluate the quality of the technical proposals offered by tenderers, then advise tenderers who have submitted responsive technical proposals of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who have submitted responsive technical proposals in accordance with the requirements as stated in the tender conditions, and announce the total price and any preferences claimed. Return unopened financial proposals to tenderers whose technical proposals were non responsive.

2.3.5 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 and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

2.3.6 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.

2.3.7 Test for responsiveness

2.3.7.1 Appoint a Bid Evaluation Committee and determine after opening 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.

2.3.7.2 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 CCT's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the goods, services or supply identified in the Specifications,
- b) significantly change the CCT'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 any material deviation or qualification.

The CCT reserves the right to accept a tender offer which does not, in the CCT's opinion, materially and/or substantially deviate from the terms, conditions, and specifications of the tender documents.

2.3.8 Arithmetical errors, omissions and discrepancies

2.3.8.1 Check the responsive tenders for:

- a) the gross misplacement of the decimal point in any unit rate;
- b) omissions made in completing the Price Schedule; or
- c) arithmetic errors in:
 - i) line item totals resulting from the product of a unit rate and a quantity in the Price Schedule; or
 - ii) the summation of the prices; or
 - iii) calculation of individual rates.

2.3.8.2 The CCT must correct the arithmetical errors in the following manner:

- a) Where there is a discrepancy between the amounts in words and amounts in figures, the amount in words shall govern.
- b) If 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 tendered shall govern, and the unit rate shall be corrected.
- c) 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 Price Schedules apply) to achieve the tendered total of the prices.

Consider the rejection of a tender offer if the tenderer does not correct or accept the correction of the arithmetical error in the manner described above.

2.3.8.3 In the event of tendered rates or lump sums being declared by the CCT to be unacceptable to it because they are not priced, either excessively low or high, or not in proper balance with other rates or lump sums, the tenderer may be required to produce evidence and advance arguments in support of the tendered rates or lump sums objected to. If, after submission of such evidence and any further evidence requested, the CCT is still not satisfied with the tendered rates or lump sums objected to, it may request the tenderer to amend these rates and lump sums along the lines indicated by it.

The tenderer will then have the option to alter and/or amend the rates and lump sums objected to and such other related amounts as are agreed on by the CCT, but this shall be done without altering the tender offer in accordance with this clause.

Should the tenderer fail to amend his tender in a manner acceptable to and within the time stated by the CCT, the CCT may declare the tender as non-responsive.

2.3.9 Clarification of a tender offer

The CCT may, after the closing date, request additional information or clarification from tenderers, in writing on any matter affecting the evaluation of the tender offer or that could give rise to ambiguity in a contract arising from the tender offer, which written request and related response shall not change or affect their competitive position or the substance of their offer. Such request may only be made in writing by the Director: Supply Chain Management using any means as appropriate.

2.3.10 Evaluation of tender offers

2.3.10.1 General

2.3.10.1.1 Reduce each responsive tender offer to a comparative price and evaluate them using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender conditions.

2.3.10.1.2 For evaluation purposes only, the effects of the relevant contract price adjustment methods will be considered in the determination of comparative prices as follows:

- a. If the selected method is based on bidders supplying rates or percentages for outer years, comparative prices would be determined over the entire contract period based on such rates or percentages.
- b. If the selected method is based on a formula, indices, coefficients, etc. that is the same for all bidders during the contract period, comparative prices would be the prices as tendered for year one.
- c. If the selected method is based on a formula, indices, coefficients, etc. that varies between bidders, comparative prices would be determined over the entire contract period based on published indices relevant during the 12 months prior to the closing date of tenders.
- d. If the selected method includes an imported content requiring rate of exchange variation, comparative prices would be determined based on the exchange rates tendered for the prices as tendered for year one. The rand equivalent of the applicable currency 14 days prior to the closing date of tender will be used (the CCT will check all quoted rates against those supplied by its own bank).
- e. If the selected method is based on suppliers' price lists, comparative prices would be the prices as tendered for year one.
- f. If the selected method is based on suppliers' price lists and / or rate of exchange, comparative prices would be determined as tendered for year one whilst taking into account the tendered percentage subject to rate of exchange (see sub clause (d) for details on the calculation of the rate of exchange).

2.3.10.1.3 Where the scoring of functionality forms part of a bid process, each member of the Bid Evaluation Committee must individually score functionality. The individual scores must then be interrogated and calibrated if required where there are significant discrepancies. The individual scores must then be added together and averaged to determine the final score.

2.3.10.2 Decimal places

Score financial offers, preferences and functionality, as relevant, to two decimal places.

2.3.10.3 Scoring of tenders (price and preference)

2.3.10.3.1 Points for price will be allocated in accordance with the formula set out in this clause based on the price per item / rates as set out in the **Price Schedule (Part 5)**:

- based on the sum of the prices/rates in relation to a typical project/job.

2.3.10.3.2 Points for preference will be allocated in accordance with the provisions of **Preference Schedule** and the table in this clause.

2.3.10.3.3 The terms and conditions of **Preference Schedule** as it relates to preference shall apply in all respects to the tender evaluation process and any subsequent contract.

2.3.10.3.4 Applicable formula:

The 90/10 price/preference points system will be applied to the evaluation of responsive tenders up to and including a Rand value above R50'000'000 (all applicable taxes included), whereby the order(s) will be placed

with the tenderer(s) scoring the highest total number of adjudication points.
Price shall be scored as follows:

$$Ps = 90 \times \left(1 - \frac{(Pt - Pmin)}{Pmin}\right)$$

Where: Ps is the number of points scored for price;
Pt is the price of the tender under consideration;
Pmin is the price of the lowest responsive tender.

Preference points shall be based on the Specific Goal as per below:

Awards above R50 mil (VAT Inclusive)

#	Specific goals allocated points	Preference Points (90/10) <i>Above R50 mil</i>	Evidence
<i>Persons, or categories of persons, historically disadvantaged- (HDI) by unfair discrimination on the basis of</i>			
1	Gender are women (ownership)* >75% - 100% women ownership: 3 points >50% - 75% women ownership: 2 points >25% - 50% women ownership: 1.5 points >0% - 25% women ownership: 0.5 points 0% women ownership = 0 points	3	<ul style="list-style-type: none"> Company Registration Certification Central Supplier Database report
2	Race are black persons (ownership)* >75% - 100% black ownership: 3 points >50% - 75% black ownership: 2 points >25% - 50% black ownership: 1.5 points >0% - 25% black ownership: 0.5 points 0% black ownership = 0 points	3	<ul style="list-style-type: none"> B-BBEE certificate; Company Registration Certification Central Supplier Database report
3	Disability are disabled persons (ownership)* WHO disability guideline >2% ownership: 1 point >0% - 2% ownership: 0.5 point 0% ownership = 0 points	1	<ul style="list-style-type: none"> Proof of disability Company Registration Certification
<i>Reconstruction and Development Programme (RDP) as published in Government Gazette</i>			
4	Promotion of Micro and Small Enterprises <i>Micro with a turnover up to R20million and Small with a turnover up to R80 million as per National Small Enterprise Act, 1996 (Act No.102 of 1996)</i> <i>SME partnership, sub-contracting, joint venture or consortiums</i>	3	<ul style="list-style-type: none"> B-BBEE status level of contributor; South African owned enterprises; Financial Statement to determine annual turnover
	Total points	10	

*Ownership: main tendering entity

2.3.10.5 Risk Analysis

Notwithstanding compliance with regard to any requirements of the tender, the CCT will perform a risk analysis in respect of the following:

- a) reasonableness of the financial offer
- b) reasonableness of unit rates and prices
- c) the tenderer's ability to fulfil its obligations in terms of the tender document, that is, that the tenderer can demonstrate that he/she possesses the necessary professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, capacity, experience, reputation, personnel to perform the contract, etc.; the CCT reserves the right to consider a tenderer's existing contracts with the CCT in this regard
- d) any other matter relating to the submitted bid, the tendering entity, matters of compliance, verification of submitted information and documents, etc.

The conclusions drawn from this risk analysis will be used by the CCT in determining the acceptability of the tender offer.

No tenderer will be recommended for an award unless the tenderer has demonstrated to the satisfaction of the CCT that he/she has the resources and skills required.

2.3.11 Negotiations with preferred tenderers

The CCT may negotiate the final terms of a contract with tenderers identified through a competitive tendering process as preferred tenderers provided that such negotiation:

- a) does not allow any preferred tenderer a second or unfair opportunity;
- b) is not to the detriment of any other tenderer; and
- c) does not lead to a higher price than the tender as submitted.

If negotiations fail to result in acceptable contract terms, the City Manager (or his delegated authority) may terminate the negotiations and cancel the tender, or invite the next ranked tenderer for negotiations. The original preferred tenderer should be informed of the reasons for termination of the negotiations. If the decision is to invite the next highest ranked tenderer for negotiations, the failed earlier negotiations may not be reopened by the CCT.

Minutes of any such negotiations shall be kept for record purposes.

The provisions of this clause will be equally applicable to any invitation to negotiate with any other tenderers.

In terms of the City's SCM Policy, tenders must be cancelled in the event that negotiations fail to achieve a market related price with any of the three highest scoring tenderers.

2.3.12 Acceptance of tender offer

Notwithstanding any other provisions contained in the tender document, the CCT reserves the right to:

2.3.12.1 Accept a tender offer(s) which does not, in the CCT's opinion, materially and/or substantially deviate from the terms, conditions, and specifications of the tender document.

2.3.12.2 Accept the whole tender or part of a tender or any item or part of any item or items from multiple manufacturers, or to accept more than one tender (in the event of a number of items being offered), and the CCT is not obliged to accept the lowest or any tender.

2.3.12.3 Accept the tender offer(s), if in the opinion of the CCT, it does not present any material risk and only if the tenderer(s)::

- a) is not under restrictions, has any principals who are under restrictions, or is not currently a supplier to whom notice has been served for abuse of the supply chain management system, preventing participation 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, 2008, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing, complies with the legal requirements, if any, stated in the tender data, and
- e) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

If an award cannot be made in terms of anything contained herein, the Employer reserves the right to consider the next ranked tenderer(s).

2.3.12.4 Not to make an award, or revoke an award already made, where the implementation of the contract may result in reputational risk or harm to the City as a result of (inter alia):

- a) reports of poor governance and/or unethical behaviour;
- b) association with known family of notorious individuals;
- c) poor performance issues, known to the City;
- d) negative social media reports; and
- e) adverse assurance (e.g. due diligence) report outcomes, should implementation of the contract result in reputational risk or harm, or both, to the City.

2.3.12.5 The CCT reserves the right to nominate a standby bidder at the time when an award is made and in the event that a contract is terminated during the execution thereof, the CCT may consider the award of the contract, or non-award, to the standby bidder in terms of the procedures included in its SCM Policy.

2.3.13 Prepare contract documents

2.3.13.1 If necessary, revise documents that shall form part of the contract and that were issued by the CCT as part of the tender documents to take account of:

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

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


2.3.14 Notice to successful and unsuccessful tenderers

2.3.14.1 Before accepting the tender of the successful tenderer the CCT shall notify the successful tenderer in writing of the decision of the CCT's Bid Adjudication Committee to award the tender to the successful tenderer. No rights shall accrue to the successful tenderer in terms of this notice

2.3.14.2 The CCT shall, at the same time as notifying the successful tenderer of the Bid Adjudication Committee's decision to award the tender to the successful tenderer, also give written notice to the other tenderers informing them that they have been unsuccessful.

2.3.15 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.

TENDER DOCUMENT GOODS AND SERVICES		 <div>CITY OF CAPE TOWN ISIXEKO SASEKAPA STAD KAAPSTAD</div>	
SUPPLY CHAIN MANAGEMENT			
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TENDER NO: 103S/2023/24

TENDER DESCRIPTION: SUPPLY, INSTALLATION, MAINTENANCE AND SUPPORT OF FIRE ALARM SYSTEMS, EQUIPMENT AND ANCILLARIES

CONTRACT PERIOD: FROM DATE OF COMMENCEMENT UNTIL 30 JUNE 2031

VOLUME 2: RETURNABLE DOCUMENTS

TENDERER	
NAME of Company/Close Corporation or Partnership / Joint Venture/ Consortium or Sole Proprietor /Individual	
TRADING AS (if different from above)	

NATURE OF TENDER OFFER (please indicate below)	
Main Offer (see clause 2.2.11.1)	
Alternative Offer (see clause 2.2.11.1)	

VOLUME 2: RETURNABLE DOCUMENTS

(3) DETAILS OF TENDERER

1.1 Type of Entity (Please tick one box)

☐ Individual / Sole Proprietor

☐ Close Corporation

☐ Company

☐ Partnership or Joint Venture or Consortium

☐ Trust

☐ Other:

1.2 Required Details (Please provide applicable details in full):

Name of Company / Close Corporation or Partnership / Joint Venture / Consortium or Individual /Sole Proprietor	
Trading as (if different from above)	
Company / Close Corporation registration number (if applicable)	
Postal address	Postal Code _____
Physical address (Chosen domicilium citandi et executandi)	Postal Code _____
Contact details of the person duly authorised to represent the tenderer	Name: Mr/Ms _____ (Name & Surname) Telephone:(____) _____ Fax:(____) _____ Cellular Telephone: _____ E-mail address: _____
Income tax number	
VAT registration number	
SARS Tax Compliance Status PIN	
City of Cape Town Supplier Database Registration Number (See Conditions of Tender)	
National Treasury Central Supplier Database registration number (See Conditions of Tender)	

Is tenderer the accredited representative in South Africa for the Goods / Services / Works offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, enclose proof
Is tenderer a foreign based supplier for the Goods / Services / Works offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, answer the Questionnaire to Bidding Foreign Suppliers (below)
Questionnaire to Bidding Foreign Suppliers	a) Is the tenderer a resident of the Republic of South Africa or an entity registered in South Africa? <input type="checkbox"/> Yes <input type="checkbox"/> No
	b) Does the tenderer have a permanent establishment in the Republic of South Africa? <input type="checkbox"/> Yes <input type="checkbox"/> No
	c) Does the tenderer have any source of income in the Republic of South Africa? <input type="checkbox"/> Yes <input type="checkbox"/> No
	d) Is the tenderer liable in the Republic of South Africa for any form of taxation? <input type="checkbox"/> Yes <input type="checkbox"/> No
Other Required registration numbers	

(4) FORM OF OFFER AND ACCEPTANCE

TENDER NO: 103S/2023/24

TENDER DESCRIPTION: SUPPLY, INSTALLATION, MAINTENANCE AND SUPPORT OF FIRE ALARM SYSTEMS, EQUIPMENT AND ANCILLARIES**OFFER: (TO BE FILLED IN BY TENDERER):****Required Details** (Please provide applicable details in full):

Name of Tendering Entity* (“the tenderer”)	
Trading as (if different from above)	

AND WHO IS represented herein by: (full names of signatory)

duly authorised to act on behalf of the tenderer in his capacity as: (title/ designation)

HEREBY AGREES THAT by signing the *Form of Offer and Acceptance*, the tenderer:

1. confirms that it has examined the documents listed in the Index (including Schedules and Annexures) and has accepted all the Conditions of Tender;
2. confirms that it has received and incorporated any and all notices issued to tenderers issued by the CCT;
3. confirms that it has satisfied itself as to the correctness and validity of the tender offer; that the price(s) and rate(s) offered cover all the goods and/or services specified in the tender documents; that the price(s) and rate(s) cover all its obligations and accepts that any mistakes regarding price(s), rate(s) and calculations will be at its own risk;
4. offers to supply all or any of the goods and/or render all or any of the services described in the tender document to the CCT in accordance with the:
 - 4.1 terms and conditions stipulated in this tender document;
 - 4.2 specifications stipulated in this tender document; and
 - 4.3 at the prices as set out in the **Price Schedule**.
5. accepts full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on it in terms of the Contract.

Signature(s)_____
Print name(s):
On behalf of the tenderer (duly authorised)_____
Date

INITIALS OF CITY OFFICIALS		
1	2	3

FORM OF OFFER AND ACCEPTANCE (continued)

TENDER NO: 103S/2023/24

TENDER DESCRIPTION: SUPPLY, INSTALLATION, MAINTENANCE AND SUPPORT OF FIRE ALARM SYSTEMS, EQUIPMENT AND ANCILLARIES

ACCEPTANCE (TO BE FILLED IN BY THE CITY OF CAPE TOWN)

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 supplier the amount due in accordance with the conditions of contract. 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:

- (7) & (8): Special and General Conditions of Tender
- (5) Price schedule
- 13: Specifications

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 as 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 after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documents to be provided in terms of the conditions of contract identified in the special contract conditions. 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 parties have signed the table below and confirms receipt from the employer of one fully completed original copy of this agreement, including the schedule of deviations (if any). The tenderer (now supplier) shall within five working days of the agreement coming into effect notify the employer in writing of any reason why he cannot accept the contents of this agreement as a complete and accurate memorandum thereof, failing which the agreement presented to the contractor shall constitute the binding contract between the parties.

The Parties	Employer	Supplier
Business Name		
Business Registration		
Tax number (VAT)		
Physical Address		
Accepted contract sum including tax		
Accepted contract duration		
Signed – who by signature hereto warrants authority		
Name of signatory		
Signed: Date		
Signed: Location		
Signed: Witness		
Name of Witness		

FORM OF OFFER AND ACCEPTANCE (continued)

(TO BE FILLED IN BY THE CITY OF CAPE TOWN)

Schedule of Deviations

Notes:

1. The extent of deviations from the tender documents issued by the CCT before the tender closing date is limited to those permitted in terms of the conditions of tender.
2. A tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.
4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.

1 Subject

Details

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2 Subject

Details

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3 Subject

Details

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4 Subject

Details

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By the duly authorised representatives signing this agreement, the CCT and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to this tender document 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 CCT during this process of offer and acceptance.

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

(5) PRICE SCHEDULE

TENDERERS MUST NOTE THAT WHEREVER THIS DOCUMENT REFERS TO ANY PARTICULAR TRADE MARK, NAME, PATENT, DESIGN, TYPE, SPECIFIC ORIGIN OR PRODUCER, SUCH REFERENCE SHALL BE DEEMED TO BE ACCOMPANIED BY THE WORDS 'OR EQUIVALENT'

Please Note: Tenderers may bid for Schedule A or Schedule B but Schedule C must be completed by the Tenderer.

Tenderers choosing to bid for this schedule must fill in the tables below and provide the OEM/Distributor price lists.

Schedule A. Supply of Existing Fire Alarm Systems, Equipment and Ancillaries

Table A.1 Supply of Existing Fire Alarm Systems, Equipment and Ancillaries

This schedule is for the supply of equipment for existing Fire Alarm Systems, Equipment and Ancillaries equivalent to and compatible with existing equipment

Item	Description	OEM or Distributor	OEM Partner Status	OEM Price list Reference	Mark-Up %
A.1.1	Networked Fire Alarm Systems (Ziton or equivalent)	-----	-----		----- %

Item	Description	OEM or Distributor	OEM Partner Status	OEM Price list Reference	Mark-Up %
A.1.2	Stand-Alone Fire Alarm Systems (Ziton or equivalent)	.....	.....		..... %
A.1.3	Fire Alarm Peripherals and General (Ziton or equivalent)	.....	.....		..... %
A.1.4	Fire Alarm Systems Ancillaries and General (Ziton or equivalent)	.....	.....		..... %
A.1.5	Audio Evacuation Systems (TOA or equivalent)	.....	.....		..... %

Item	Description	OEM or Distributor	OEM Partner Status	OEM Price list Reference	Mark-Up %
A.1.6	Cabling Tenderers must provide at least one Price List for each specific cable category				
		-----	-----		----- %
		-----	-----		----- %
		-----	-----		----- %

Table A.2 Typical Project for Supply of Existing Fire Alarm Systems, Equipment and Ancillaries.**THE FOLLOWING TABLE WILL BE USED FOR EVALUATION PURPOSES ONLY,**

Tenderers must name the identified OEM/Distributor, submit the OEM/Distributor Price List (excluding VAT) and Mark-Up percentages, as reflected in Table A.1 of the Pricing Schedule.

Please note: The CCT does reserve the right to procure the items listed below (inter alia) via the successful tenderer during the contract award term on an adhoc basis for the valid period of the submitted OEM price list.

Item	Description	OEM orDistributor	Quantity	Mark-up Percentage (%)	OEM Price list Reference	OEM or DistributorPrice Excluding VATand Mark-up percentage (Rand)
A.2.1 Networked Fire Alarm Systems (Ziton or equivalent)						
A.2.1.1	Server		1			R
A.2.1.2	Client PC Workstation with 24" LCD monitor		1			R
A.2.1.3	Maestro dongle and software or equivalent		1			R
A.2.1.4	Ziton ZP3 Fire Panel complete with 4 loops (Version 3.1 or higher) or equivalent		1			R
A.2.1.5	Upgrade of Ziton ZP3 panels from version 2 to version 3.1 or higher or equivalent		1			R
A.2.1.6	ATS8600 software and licence or equivalent		1			R
A.2.1.7	Ziton ZP3 Master Panel display or equivalent		1			R
A.2.2 Stand-Alone Fire Alarm Systems (Ziton or equivalent)						
A.2.2.1	Ziton ZP3 Fire Panel complete with 4 loops or equivalent		1			R

Item	Description	OEM or Distributor	Quantity	Mark-up Percentage (%)	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
A.2.2.2	Conventional Fire Panel with 8 zones or equivalent		1			R
A.2.3 Fire Alarm Peripherals and General (Ziton or equivalent)						
A.2.3.1	Ziton 4 loop ZP3 motherboard on chassis or equivalent		1			R
A.2.3.2	Ziton CPU for ZP3 (1MB) or equivalent		1			R
A.2.3.3	Ziton RS232 port and commissioning key switch board or equivalent		1			R
A.2.3.4	Ziton Replacement ZP3 keypad (blue) or equivalent		1			R
A.2.3.5	Ziton Display board (Euro LCD) or equivalent		1			R
A.2.3.6	Ziton A Series mini interface unit or equivalent		1			R
A.2.3.7	Ziton A Series mini relay unit or equivalent		1			R
A.2.3.8	Ziton A Series mini relay unit, mains switching or equivalent		1			R
A.2.3.9	Ziton A Series mini isolator unit or equivalent		1			R
A.2.3.10	Ziton A70 conventional interface or equivalent		1			R
A.2.3.11	Ziton Optical sensor or equivalent		100			R
A.2.3.12	Ziton Heat sensor (ZP3 Version 3 software) or equivalent		100			R

Item	Description	OEM or Distributor	Quantity	Mark-up Percentage(%)	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
A.2.3.13	Ziton Surface mounting sensor base or equivalent		100			R
A.2.4 Fire Alarm Systems Ancillaries and General (Ziton or equivalent)						
A.2.4.1	4 & 8 Input Addressable Module		1			R
A.2.4.2	Standalone Loop Isolator		1			R
A.2.4.3	IP67 Rated Addressable call point		1			R
A.2.4.4	Graphics Display and Alarm Management System for upto 64 JUNO NET or JUNIOR fire alarm panels or equivalent		1			R
A.2.4.5	Networkable Analogue Addressable Control Panel		1			R
A.2.4.6	SMS Unit for Alarm Management		1			R
A.2.5 Audio Evacuation Systems (TOA or equivalent)						
A2.5.1	VM-3360ECE VM Extension Amplifier 360W or equivalent		1			R
A2.5.2	VM-3360VACE Voice Alarm System Amplifier 360W or equivalent - 6 Zone		1			R
A2.5.3	EV-700 Digital Announcer or equivalent		1			R
A2.5.4	VP-2421 1 Channel power amplifier @ 420W RMS per channel or equivalent		1			R

A2.5.5	PC-2369EN Ceiling Speaker or equivalent - Certified EN54-24		10			R
A2.5.6	PC-1869EN Ceiling Speaker or equivalent - Certified EN54-24		10			R
A2.5.7	SC-615BS Horn Speaker or equivalent - Certified BS & EN54-24		10			R
A2.5.8	BS-1015BSW Wall Speaker White or equivalent - CertifiedBS & EN54-24		10			R
A2.5.9	BS-1015BSB Wall Speaker Black or equivalent - CertifiedBS & EN54-24		10			R
A2.5.10	BS-678BSB Wall Speaker Black or equivalent - CertifiedBS & EN54-24		10			R
A2.5.11	PJ-154BS Speaker or equivalent - Certified BS & EN54-24		10			R
A2.5.12	19" Rack and Accessories 9U		1			R
A2.5.13	19" Rack and Accessories 18U		1			R
A2.5.14	19" Rack and Accessories 22U		1			R
A2.5.15	Remote microphone input modules		1			R
A2.5.16	Dual power supply modules		1			R
A2.5.17	Power supply frames		1			R
A2.5.18	Surveillance frames		1			R
A2.5.19	Emergency supply units		1			R
A2.5.20	Impedance fault detection modules		1			R

Item	Description	OEM or Distributor	Quantity	Mark-up Percentage (%)	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
A2.5.21	Fireman microphones		10			R
A2.5.22	Power amplifier input module with local input		1			R
A2.5.23	4 channel power amplifiers		1			R
A2.5.24	Integrated Voice Evacuation System		1			R
A2.5.25	100V line to line input attenuator boards		10			R
A2.5.26	Low impedance microphone input preamplifier with gain control		1			R
A2.5.27	Remote microphone extensions		10			R
A2.5.28	Voice Announcement Boards with memory cards		1			R
A2.5.29	12V 70Ah Batteries		10			R
A2.5.30	Edwards or equivalent PA interface		1			R
A2.5.31	Edwards or equivalent LAN Interface		1			R
A.2.6 Cabling						
A.2.6.1	PH30 Fire resistant cable per metre (1mm ² , 2 core stranded)		100			R
A.2.6.2	PH120 Fire resistant cable per metre (1mm ² , 2 core stranded)		100			R

Item	Description	OEM or Distributor	Quantity	Mark-up Percentage (%)	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
A.2.6.3	0.8mm ² 2-core solid fire alarm cable per metre		100			R
A.2.6.4	4-Core screened communications cable per metre		100			R
A.2.6.5	0.55mm ² ripcord per metre		100			R
A.2.6.6	CAT6E cable per metre		100			R
A.2.6.7	1.5mm ² 3 core cable per metre		100			R

A.2.6 Fire Suppression System					
A.2.6.1	NAFMOD06 6 LITRE CYLINDER c/w BRACKET or equivalent		1		R
A.2.6.2	NAFMOD10 10 LITRE CYLINDER c/w BRACKET or equivalent		1		R
A.2.6.3	25 LITRE CAPACITY CYLINDER c/w BRACKET		1		R
A.2.6.4	45 LITRE CAPACITY c/w BRACKET		1		R
A.2.6.5	ECO202A ECKOSHIELD HFC FIRE EXTINGUISHING GAS or equivalent		1		R
A.2.6.6	FREIGHT6L FREIGHT CHARGES PER 6L CYLINDER or equivalent		1		R
A.2.6.7	FREIGHT10L FREIGHT CHARGES PER 10L CYLINDER or equivalent		1		R
A.2.6.8	FREIGHT25L FREIGHT CHARGES PER 25L CYLINDER or equivalent		1		R
A.2.6.9	FREIGHT45L FREIGHT CHARGES PER 45L CYLINDER or equivalent		1		R
A.2.6.10	ECO601 WARNING SIGN DOOR-HFC-227ea or equivalent		1		R
A.2.6.11	Z630-3P Conventional Optical Detector - POLAR WHITE or equivalent		10		R
A.2.6.12	Conventional Temperature Detector, 58°C,ROR, Grade 1		10		R
A.2.6.13	Conventional Temperature Detector, 58°C, Fixed,Grade 2		10		R

Item	Description	OEM or Distributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
A.2.6.14	Conventional Temperature Detector, 77°C, Fixed, Grade 1		10		R
A.2.6.15	Z6-BS1-P Conventional Base, 2-wire - POLAR WHITE or equivalent		10		R
A.2.6.16	Z6-BS5-P Conventional Diode Base, 2-wire - POLAR WHITE or equivalent		10		R
A.2.6.17	Conventional Intrinsically.Safe Heat Detector		10		R
A.2.6.18	Conventional Intrinsically.Safe Smoke Detector		10		R
A.2.6.19	Conventional Intrinsically.Safe DetectorBase		10		R
A.2.6.20	Galvanic Barrier for Conventional IntrinsicallySafe Devices		1		R
A.2.6.21	Remote Indicator		1		R
A.2.6.22	MCP RED, 100 Ohm Free Contact, Surface Mount, Resettable Element or equivalent t		1		R
A.2.6.23	MCP RED, 560 Ohm Free Contact, Intrinsically Safe, Outdoor or equivalent		1		R
A.2.6.24	MCP YELLOW, EXTINGUISHING RELEASE or equivalent		1		R
A.2.6.25	Surface Mounting Box with Earth Connector - YELLOW		1		R
A.2.6.26	Surface Mounting Box GREEN with Earth Connector		1		R
A.2.6.27	MCP GREEN, Double-poleFree Contact or equivalent		1		R
A.2.6.28	Surface Mounting Box GREEN with Earth Connector		1		R

Item	Description	OEM orDistributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
A.2.6.29	MCP Resetable Element or equivalent		1		R
A.2.6.30	Hinged Cover		1		R
A.2.6.31	Breakable Seals (5 Pack)		1		R
A.2.6.32	Fire Sounder, Multi Tone, Shallow Base		1		R
A.2.6.33	Sounder, Multi Tone, Shallow base, Mains Powered		1		R
A.2.6.34	Fire Sounder, Multi-tone, High Output		1		R
A.2.6.35	LED Beacon, Intrinsically Safe, RED Lens		1		R
A.2.6.36	Sounder/Beacon, white, multi tone, deep base, ceiling mount, red flash		1		R
A.2.6.37	Sounder/Beacon, multi tone, deep base,wall mount, red flash		1		R
A.2.6.38	Fire Sounder/Beacon, LED Beacon, Multi Tone, High Output, red flash		1		R
A.2.6.39	LED Beacon, white deep base, ceiling mount, red flash		1		R
A.2.6.40	LED BEACON YELLOW SHALLOW BASE WALL MOUNT		1		R
A.2.6.41	Fire Alarm Bell 6"		1		R
A.2.6.42	8" Fire bell - Outdoor		1		R
A.2.6.43	Fire Sounder, Intrinsically Safe, Multi-tone, Surface Mount		1		R

Item	Description	OEM orDistributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
A.2.6.44	Fire Sounder, Hazardous Area, Multi Tone, Horn		1		R
A.2.6.45	Galvanic Isolator for AS370/FA370 Series or equivalent		1		R
A.2.6.46	Door Holder, Surface Mount, 400N, with Release Button		1		R
A.2.6.47	Door Holder, Universal Adjustable Tube, 400N, Release Button, 475mm		1		R
A.2.6.48	Universal Door Magnet, adjustable		1		R
A.2.7 Aspirating Smoke Detection System (SecuriRAS or equivalent)					
A.2.7.1	Aspirating Smoke Detector, 1 Sampling Pipe/Detector		1		R
A.2.7.2	Aspirating Smoke Detector, 2 Sampling Pipe/Detector, 1 Smoke level display		1		R
A.2.7.3	Smoke Sensing Device		1		R
A.2.7.4	Loop I/F module		1		R
A.2.7.5	Relay I/F module		1		R
A.2.7.6	Memory card module		1		R
A.2.7.7	SD-Card Industrial 2GB		1		R
A.2.7.8	Serial Master Module for RS485 networking of Special Fire Detectors		1		R
A.2.7.9	Universal module support for Special Fire Detectors		1		R

Item	Description	OEM orDistributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
A.2.7.10	Pipe planning and calculation software		1		R
A.2.7.11	Pipe planning and calculation software Dongle and User License		1		R
A.2.7.12	USB 2.0 cable forconnection between Aspirating Smoke Detector and PC		1		R
A.2.7.13	Detector Box		1		R
A.2.7.14	Filter-box extra large		1		R
A.2.7.15	Dirt trap box		1		R
A.2.7.16	Water retaining box		1		R
A.2.7.17	Air cooler and water collector		1		R
A.2.7.18	Automatic blow out device		1		R
A.2.7.19	Detonation flame arrester		1		R
A.2.7.20	Noise reduction housing		1		R
A.2.8 Emergency Lighting System (Firescape or equivalent)					
A.2.8.1	FIREscape or equivalent 2 Loop Control Panel for up to 254 luminaires		1		R
A.2.8.2	FIREscape or equivalent Transformer 35V AC, 222VA		1		R
A.2.8.3	FIREscape or equivalent Addressable LED Corridor Luminaire (including battery)		1		R

Item	Description	OEM or Distributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
A.2.8.4	FIREscape or equivalent Addressable LED Open Space Luminaire (including battery)		1		R
A.2.8.5	FIREscape or equivalent Addressable Step Luminaire (including battery)		1		R
A.2.8.6	High Power Corridor Luminaire (including battery)		1		R
A.2.8.7	High Power Open Area Luminaire (including battery)		1		R
A.2.8.8	20m Emergency Exit Sign Frame, white (including battery and lens)		1		R
A.2.8.9	FIREscape or equivalent 20m Lens, DOWN arrow (ISO7010)		1		R
A.2.8.10	40m Emergency Exit Sign Frame, white (including battery and lens)		1		R
A.2.8.11	FIREscape or equivalent 40m Lens, LEFT arrow (ISO7010)		1		R
A.2.8.12	FIREscape or equivalent Recess Adaptor 20M Exit Sign		1		R
A.2.8.13	FIREscape or equivalent Recess Adaptor 40M Exit Sign		1		R
A.2.8.14	Emergency Lighting Battery		1		R
A.2.8.15	BESA Box Adaptor Plate		1		R
A.2.8.16	FIREscape or equivalent Panel to Computer Cable		1		R
A.2.8.17	Dome Enclosure (for EL-DL2 & DL3 or equivalent)		1		R
A.2.8.18	Dome Enclosure with Bracket (for EL-DL3 or equivalent)		1		R

Item	Description	OEM orDistributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
A.2.8.19	FIREscape or equivalent Expansion Unit		1		R
A.2.8.20	FIREscape or equivalent Installation and Maintenance Program		1		R
A.2.8.21	FIREscape or equivalent Input / Output Unit		1		R
A.2.8.22	FIREscape or equivalent RS232 Channel Isolator		1		R
A.2.8.23	FIREscape or equivalent Remote Keypad Controller		1		R
A.2.8.24	FIREscape or equivalent Terminal Server TCP/IP-RS232 Converter		1		R
A.2.8.25	FIREscape or equivalent Media Converter		1		R
A.2.8.26	FIREscape or equivalent Phase Monitor Relay Unit		1		R
A.2.8.27	FIREscape or equivalent Bus Controlled Power Supply Unit		1		R
A.2.8.28	FIREscape or equivalent Ethernet or equivalent IEEE802.3 compliant Switch 5 Port		1		R
A.2.8.29	FIREscape or equivalent Ethernet or equivalent IEEE802.3 compliant Switch 8 Port		1		R
A.2.8.30	FIREscape or equivalent USB to Serial Cable		1		R
A.2.8.31	Emergency Light Recess Adaptor		1		R
A.2.8.32	ESP Programmer and PL-3 Lead or equivalent		1		R
A.2.8.33	FIREscape or equivalent Mounting Base		1		R

Item	Description	OEM orDistributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
A.2.9. Cabling					
A.2.9.1.	PH30 Fire retarded cable per metre (1mm ² , 2 core solid)		100		R
A.2.9.2.	PH120 Fire resistant cable per metre (1mm ² , 2 core solid)		100		R
A.2.9.3.	0.8mm ² 2-core solid fire alarm cable per metre		100		R
A.2.9.4.	4-Core screened communications cable per metre		100		R
A.2.9.5.	0.55mm ² ripcord per metre		100		R
A.2.9.6.	CAT6E cable per metre		100		R
A.2.9.7.	1.5mm ² 3 core cabtyre per metre		100		R

Schedule B. Supply of New Fire Alarm Systems, Equipment and Ancillaries

Supply of New Fire Alarm Systems, Equipment and Ancillaries

This schedule is for the supply of equipment for New Fire Alarm Systems, Equipment and Ancillaries equivalent to and compatible with existing equipment.

Item	Description	OEM or Distributor	OEM Partner Status	OEM Price list Reference	Mak-Up %
B.1.1	Networked Fire Alarm Systems	.....	.....		..... %
B.1.2	Stand-Alone Fire Alarm Systems	.....	.....		..... %
B.1.3	Fire Alarm Peripherals and General	.....	.....		..... %

Item	Description	OEM or Distributor	OEM Partner Status	OEM Price list Reference	Mak-Up %
B.1.4	Fire Alarm Systems Ancillaries and General	.....	.....		.....%
B.1.5	Audio Evacuation Systems	.....	.....		.....%
B.1.6	Fire Suppression Systems	.....	.....		.....%
B.1.7	Aspirating Smoke Detection Systems	.....	.....		.....%

Item	Description	OEM or Distributor	OEM Partner Status	OEM Price list Reference	Mak-Up %
B.1.8	Emergency Lighting Systems	.....	.....		.....%
B.1.9	Cabling Refer to (5) Specification for cable specifications. Tenderers must provide at least one Price List for each specific cable category	..... ..... .....	..... ..... .....		.....% .....% .....%

Table B.2 Typical Project for Supply of New Fire Alarm Systems, Equipment and Ancillaries.**THE FOLLOWING TABLE WILL BE USED FOR EVALUATION PURPOSES ONLY.**

Tenderers must name the identified OEM/Distributor, submit the OEM/Distributor Price List (excluding VAT) and Mark-Up percentages, as reflected in Table A.1 of the Pricing Schedule.

Please note: The CCT does reserve the right to procure the items listed below (inter alia) via the successful tenderer during the contract award term on an adhoc basis for the valid period of the submitted OEM price list.

Item	Description	OEM or Distributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.1 Networked Fire Alarm Systems					
B.2.1.1	Server		1		R
B.2.1.2	Client PC Workstation with 24" LCD monitor		1		R
B.2.1.3	Software and licence or equivalent		1		R
B.2.1.4	Fire Panel complete with 4 loops		1		R
B.2.1.5	Master Panel display		1		R
B.2.2 Stand-Alone Fire Alarm Systems					
B.2.2.1	Fire Panel complete with 4 loops		1		R
B.2.2.2	Conventional Fire Panel with 8 zones		1		R
B.2.3 Fire Alarm Peripherals and General					
B.2.3.1	4 loop motherboard on chassis		1		R

Item	Description	OEM or Distributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.3.2	Replacement CPU for ZP2 (1MB)		1		R
B.2.3.3	RS232 port and commissioning key switch board		1		R
B.2.3.4	Replacement ZP2 keypad (blue)		1		R
B.2.3.5	Display board (EuroLCD)		1		R
B.2.3.6	Replacement Ziton A Series mini interface unit		1		R
B.2.3.7	Replacement Ziton A Series mini relay unit		1		R
B.2.3.8	Replacement Ziton A Series mini relay unit, mains switching		1		R
B.2.3.9	Replacement Ziton A Series mini isolator unit		1		R
B.2.3.10	Replacement Ziton A70 conventional interface		1		R
B.2.3.11	Replacement Ziton Optical sensor		1		R
B.2.3.12	Replacement Ziton Heat sensor (ZP2)		1		R
B.2.3.13	Replacement Ziton Surface mounting sensor base		1		R
B.2.4 Fire Alarm Systems Ancillaries and General					
B.2.4.1	4 & 8 Input Addressable Module		1		R
B.2.4.2	Standalone Loop Isolator		1		R

Item	Description	OEM or Distributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.4.3	IP67 Rated Addressable Call Point		1		R
B.2.4.4	Graphics Display and Alarm Management System for upto 64 fire alarm panels		1		R
B.2.4.5	Networkable Analogue Addressable Control Panel		1		R
B.2.4.6	SMS Unit for Alarm Management		1		R
B.2.5 Audio Evacuation System					
B.2.5.1	Extension Amplifier 360W		1		R
B.2.5.2	Voice Alarm System Amplifier 360W - 6 Zone		1		R
B.2.5.3	Digital Announcer		1		R
B.2.5.4	1 Channel power amplifier @ 420W RMS per channel		1		R
B.2.5.5	Ceiling Speaker - Certified EN54-24		10		R
B.2.5.6	Horn Speaker - Certified BS & EN54-24		10		R
B.2.5.7	Wall Speaker Black - Certified BS & EN54-24		10		R
B.2.5.8	19" Rack and Accessories 22U		1		R
B.2.5.9	Fireman microphones		10		R
B.2.5.10	Remote microphone input modules		1		R

Item	Description	OEM or Distributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.5.11	Dual power supply modules		1		R
B.2.5.12	Power supply frames		1		R
B.2.5.13	Surveillance frames		1		R
B.2.5.14	Emergency supply units		1		R
B.2.5.15	Impedance fault detection modules		1		R
B.2.5.16	Power amplifier input module with local input		1		R
B.2.5.17	4 channel power amplifiers		1		R
B.2.5.18	Integrated Voice Evacuation System		1		R
B.2.5.19	100V line to line input attenuator boards		10		R
B.2.5.20	Low impedance microphone input preamplifier with gain control		1		R
B.2.5.21	Remote microphone extensions		10		R
B.2.5.22	Voice Announcement Boards with memory cards		1		R
B.2.5.23	12V 70Ah DPD Batteries		10		R
B.2.5.24	PA interface		1		R
B.2.5.25	LAN Interface		1		R

Item	Description	OEM or Distributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.5.26	White Noise System		1		R
B.2.6 Fire Suppression System					
B.2.6.1	Replacement NAFMOD06 6 LITRE CYLINDER c/w BRACKET		1		R
B.2.6.2	Replacement NAFMOD10 10 LITRE CYLINDER c/w BRACKET		1		R
B.2.6.3	25 LITRE CAPACITY CYLINDER c/w BRACKET		1		R
B.2.6.4	45 LITRE CAPACITY c/w BRACKET		1		R
B.2.6.5	Replacement ECO202A ECKOSHIELDHFC FIRE EXTINGUISHING GAS		1		R
B.2.6.6	Replacement FREIGHT6L FREIGHTCHARGES PE 6L CYLINDER		1		R
B.2.6.7	Replacement FREIGHT10L FREIGHTCHARGES PER 10L CYLINDER		1		R
B.2.6.8	Replacement FREIGHT25L FREIGHTCHARGES PER 25L CYLINDER		1		R
B.2.6.9	Replacement FREIGHT45L FREIGHTCHARGES PER 45L CYLINDER		1		R
B.2.6.10	ECO601 WARNING SIGN DOOR-HFC-227ea or equivalent		1		R
B.2.6.11	Conventional Optical Detector - POLAR WHITE		10		R
B.2.6.12	Conventional Temperature Detector, 58°C, ROR, Grade 1		10		R
B.2.6.13	Conventional Temperature Detector, 58°C, Fixed, Grade 2		10		R

Item	Description	OEM or Distributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.6.14	Conventional TemperatureDetector, 77°C, Fixed, Grade 1		10		R
B.2.6.15	Replacement Z6-BS1-P ConventionalBase, 2-wire - POLAR WHITE		10		R
B.2.6.16	Replacement Z6-BS5-P ConventionalDiode Base, 2-wire - POLAR WHITE		10		R
B.2.6.17	Conventional Intrinsically.Safe HeatDetector		10		R
B.2.6.18	Conventional Intrinsically.Safe SmokeDetector		10		R
B.2.6.19	Conventional Intrinsically.Safe DetectorBase		10		R
B.2.6.20	Replacement Galvanic Barrier for Conventional IntrinsicallySafe Devices		1		R
B.2.6.21	Remote Indicator		1		R
B.2.6.22	Replacement MCP RED, 100 Ohm Free Contact, Surface Mount, Resettable Element		1		R
B.2.6.23	Replacement MCP RED, 560 Ohm Free Contact, Intrinsically Safe,Outdoor		1		R
B.2.6.24	Replacement MCP YELLOW, EXTINGUISHING RELEASE		1		R
B.2.6.25	Surface Mounting Box with Earth Connector - YELLOW		1		R
B.2.6.26	Surface Mounting BoxGREEN with Earth Connector		1		R
B.2.6.27	Replacement MCP GREEN, Double-poleFree Contact		1		R
B.2.6.28	Surface Mounting BoxGREEN with Earth Connector		1		R

Item	Description	OEM orDistributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.6.29	MCP Resetable Element or equivalent		1		R
B.2.6.30	Hinged Cover		1		R
B.2.6.31	Breakable Seals (5 Pack)		1		R
B.2.6.32	Fire Sounder, Multi Tone, Shallow Base		1		R
B.2.6.33	Sounder, Multi Tone, Shallow base, Mains Powered		1		R
B.2.6.34	Fire Sounder, Multi-tone,High Output		1		R
B.2.6.35	LED Beacon, IntrinsicallySafe, RED Lens		1		R
B.2.6.36	Sounder/Beacon, white,multi tone, deep base, ceiling mount, red flash		1		R
B.2.6.37	Sounder/Beacon, multi tone,deep base,wall mount, red flash		1		R
B.2.6.38	Fire Sounder/Beacon, LED Beacon, Multi Tone, High Output, red flash		1		R
B.2.6.39	LED Beacon, white deepbase, ceiling mount, red flash		1		R
B.2.6.40	LED BEACON YELLOW SHALLOW BASE WALL MOUNT		1		R
B.2.6.41	Fire Alarm Bell 6"		1		R
B.2.6.42	8" Fire bell - Outdoor		1		R
B.2.6.43	Fire Sounder, IntrinsicallySafe, Multi-tone, Surface Mount		1		R

Item	Description	OEM orDistributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.6.44	Fire Sounder, HazardousArea, Multi Tone, Horn		1		R
B.2.6.45	Galvanic Isolator for AS370/FA370 Series or equivalent		1		R
B.2.6.46	Door Holder, Surface Mount,400N, with Release Button		1		R
B.2.6.47	Door Holder, Universal Adjustable Tube, 400N, Release Button, 475mm		1		R
B.2.6.48	Universal Door Magnet, adjustable		1		R
B.2.7 Aspirating Smoke Detection System					
B.2.7.1	Aspirating Smoke Detector,1 Sampling Pipe/Detector		1		R
B.2.7.2	Aspirating Smoke Detector, 2 Sampling Pipe/Detector, 1 Smoke level display		1		R
B.2.7.3	Smoke Sensing Device		1		R
B.2.7.4	Loop I/F module		1		R
B.2.7.5	Relay I/F module		1		R
B.2.7.6	Memory card module		1		R
B.2.7.7	SD-Card Industrial 2GB		1		R
B.2.7.8	Serial Master Module for RS485 networking of Special Fire Detectors		1		R
B.2.7.9	Universal module supportfor Special Fire Detectors		1		R

Item	Description	OEM orDistributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.7.10	Pipe planning and calculation software		1		R
B.2.7.11	Pipe planning and calculation software Dongle and User License		1		R
B.2.7.12	USB 2.0 cable for connection between Aspirating Smoke Detector and PC		1		R
B.2.7.13	Detector Box		1		R
B.2.7.14	Filter-box extra large		1		R
B.2.7.15	Dirt trap box		1		R
B.2.7.16	Water retaining box		1		R
B.2.7.17	Air cooler and water collector		1		R
B.2.7.18	Automatic blow out device		1		R
B.2.7.19	Detonation flame arrester		1		R
B.2.7.20	Noise reduction housing		1		R
B.2.8 Emergency Lighting System					
B.2.8.1	2 Loop Control Panel for up to 254 luminaires		1		R
B.2.8.2	Transformer 35V AC, 222VA		1		R
B.2.8.3	Addressable LED Corridor Luminaire (including battery)		1		R

Item	Description	OEM orDistributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.8.4	Addressable LED Open Space Luminaire (including battery)		1		R
B.2.8.5	Addressable Step Luminaire (including battery)		1		R
B.2.8.6	High Power Corridor Luminaire (including battery)		1		R
B.2.8.7	High Power Open Area Luminaire (including battery)		1		R
B.2.8.8	20m Emergency Exit Sign Frame, white (including battery and lens)		1		R
B.2.8.9	20m Lens, DOWN arrow (ISO7010)		1		R
B.2.8.10	40m Emergency Exit Sign Frame, white (including battery and lens)		1		R
B.2.8.11	40m Lens, LEFT arrow (ISO7010)		1		R
B.2.8.12	Recess Adaptor 20M ExitSign		1		R
B.2.8.13	Recess Adaptor 40M ExitSign		1		R
B.2.8.14	Emergency Lighting Battery		1		R
B.2.8.15	Replacement BESA Box Adaptor Plate		1		R
B.2.8.16	Panel to Computer Cable		1		R
B.2.8.17	Dome Enclosure (for Replacement EL-DL2 & DL3		1		R
B.2.8.18	Dome Enclosure with Bracket (for Replacement EL-DL)		1		R

Item	Description	OEM or Distributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.8.19	Expansion Unit		1		R
B.2.8.20	Installation and Maintenance Program		1		R
B.2.8.21	Input / Output Unit		1		R
B.2.8.22	RS232 Channel Isolator		1		R
B.2.8.23	Remote Keypad Controller		1		R
B.2.8.24	Terminal Server TCP/IP-RS232 Converter		1		R
B.2.8.25	Media Converter		1		R
B.2.8.26	Phase Monitor Relay Unit		1		R
B.2.8.27	Bus Controlled Power Supply Unit		1		R
B.2.8.28	Ethernet or equivalent IEEE802.3 compliant Switch 5 Port		1		R
B.2.8.29	Ethernet or equivalent IEEE802.3 compliant Switch 8 Port		1		R
B.2.8.30	USB to Serial Cable		1		R
B.2.8.31	Emergency Light Recess Adaptor		1		R
B.2.8.32	Replacement ESP Programmer and PL-3 Lead or equivalent		1		R
B.2.8.33	Mounting Base		1		R

Item	Description	OEM or Distributor	Quantity	OEM Price list Reference	OEM or Distributor Price Excluding VAT and Mark-up percentage (Rand)
B.2.9. Cabling					
B.2.9.1.	Replacement PH30 Fire retarded cable per metre (1mm ² , 2 core solid)		100		R
B.2.9.2.	Replacement PH120 Fire resistant cable per metre (1mm ² , 2 core solid)		100		R
B.2.9.3.	0.8mm ² 2-core solid fire alarm cable per metre		100		R
B.2.9.4.	4-Core screened communications cable per metre		100		R
B.2.9.5.	0.55mm ² ripcord per metre		100		R
B.2.9.6.	CAT6E cable per metre		100		R
B.2.9.7.	1.5mm ² 3 core cable per metre		100		R

Schedule C: Labour and Related Costs for Installation, Upgrades and Maintenance of Existing and New Fire Alarm Systems, Equipment and Ancillaries.

Table C.1 Installation, Upgrades and Maintenance of Fire Alarm Systems, Equipment and Ancillaries.

This schedule is for the labour and related rates associated with the supply, installation, upgrade and maintenance of Fire Alarm Systems Equipment and Ancillaries for new and existing equipment compatible and equivalent to existing.

Please note: The tenderer must complete this schedule to be responsive.

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Item	Description	Unit	Installation Price per Unit(ZAR excl. VAT)					
			Rate Year 1	Rate Year 2	Rate Year 3	Rate Year 4	Rate Year 5	Rate Year 6
Per Hour Rates								
C.1.1	Fire Systems Technician	per hour	R	R	R	R	R	R
C.1.2	Junior Fire Systems Engineer	per hour	R	R	R	R	R	R
C.1.3	Senior Fire Systems Engineer	per hour	R	R	R	R	R	R
C.1.4	Software Engineer	per hour	R	R	R	R	R	R
C.1.5	Fire Systems First Line Support Technician	per hour	R	R	R	R	R	R
C.1.6	Fire Systems Second Line Support Technician	per hour	R	R	R	R	R	R
C.1.7	ECSA Registered Professional Fire Engineer	per hour	R	R	R	R	R	R
C.1.8	Acoustic Engineer	per hour	R	R	R	R	R	R

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Item	Description	Unit	Installation Price per Unit(ZAR excl. VAT)					
			Rate Year 1	Rate Year 2	Rate Year 3	Rate Year 4	Rate Year 5	Rate Year 6
C.1.9	AutoCAD Draughtsperson for as-built documentation	per hour	R	R	R	R	R	R
C.1.10	Installation costs for programming, setup and commissioning of Fire Alarm Systems, Equipment and Ancillaries	per hour	R	R	R	R	R	R
C.1.11	Labour for Rack Work	per hour	R	R	R	R	R	R
C.1.12	Project Management	per hour	R	R	R	R	R	R
C.1.13	Normal Time Labour rates for installation during normal business hours	per hour	R	R	R	R	R	R
C.1.14	Normal Time Labour rates for remedial maintenance	per hour	R	R	R	R	R	R
C.1.15	Overtime labour rates for installation and remedial maintenance outside normal business hours	per hour	R	R	R	R	R	R
C.1.16	SAQCC Fire Designer	per hour	R	R	R	R	R	R
C.1.17	SAQCC Fire Commissioner	per hour	R	R	R	R	R	R

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Item	Description	Unit	Installation Price per Unit(ZAR excl. VAT)					
			Rate Year 1	Rate Year 2	Rate Year 3	Rate Year 4	Rate Year 5	Rate Year 6
C.1.18	SAQCC Fire Serviceman	per hour	R	R	R	R	R	R
C.1.19	SAQCC Fire Installer	per hour	R	R	R	R	R	R
C.1.20	SAQCC Fire Cabler	per hour	R	R	R	R	R	R
C.1.21	SAQCC Fire Pipe Fitter	per hour	R	R	R	R	R	R
C.1.22	SAQCC Fire Technician Level 1	per hour	R	R	R	R	R	R
C.1.23	SAQCC Fire Technician Level 2	per hour	R	R	R	R	R	R
C.1.24	SAQCC Fire Technician Level 3	per hour	R	R	R	R	R	R
C.1.25	SAQCC Fire Technician Level 4	per hour	R	R	R	R	R	R
C.1.26	Electrician	per hour	R	R	R	R	R	R
C.1.27	Cable Installer	per hour	R	R	R	R	R	R
Per Day Rates								
C.1.28	SAQCC Fire Technician Level 1	per day	R	R	R	R	R	R
C.1.29	SAQCC Fire Technician Level 2	per day	R	R	R	R	R	R

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Item	Description	Unit	Installation Price per Unit(ZAR excl. VAT)					
			Rate Year 1	Rate Year 2	Rate Year 3	Rate Year 4	Rate Year 5	Rate Year 6
C.1.30	SAQCC Fire Technician Level 3	per day	R	R	R	R	R	R
C.1.31	SAQCC Fire Technician Level 4	per day	R	R	R	R	R	R
C.1.32	Fire Systems Operator	per day	R	R	R	R	R	R
C.1.33	Fire Systems Technician	per day	R	R	R	R	R	R
C.1.34	Fire Systems First Line Support Technician	per day	R	R	R	R	R	R
C.1.35	Fire Systems Second Line Support Technician	per day	R	R	R	R	R	R
C.1.36	ECSA Registered Professional Fire Engineer	per day	R	R	R	R	R	R
C.1.37	Training for City Staff - On-site complete, with video recording thereof provided on a memory device within 5 days of the session, on request from the City's Representative	per day	R	R	R	R	R	R
C.1.38	Hiring of Cherry Picker including Delivery and Collection	per day	R	R	R	R	R	R

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Item	Description	Unit	Installation Price per Unit(ZAR excl. VAT)					
			Rate Year 1	Rate Year 2	Rate Year 3	Rate Year 4	Rate Year 5	Rate Year 6
C.1.39	Hiring of Scaffolding including Delivery, Erection, Certification, Dismantling and Collection	per day	R	R	R	R	R	R
Per Unit Rates								
C.1.40	Inclusive call out fee (inclusive of 1 hour labour) per call	per call	R	R	R	R	R	R
C.1.41	Cable installation complete including terminations and labelling	per metre	R	R	R	R	R	R
C.1.42	Trunking installation complete with bends, corners and matching covers	per metre	R	R	R	R	R	R
C.1.43	PVC conduit installation complete, with galvanised draw wire, on surface	per metre	R	R	R	R	R	R
C.1.44	Galvanised conduit installation complete, with galvanised draw wire, on surface	per metre	R	R	R	R	R	R
C.1.45	Conduit installation complete, with galvanised draw	per metre	R	R	R	R	R	R

Item	Description	Unit	Installation Price per Unit(ZAR excl. VAT)				
			Rate Year 1	Rate Year 2	Rate Year 3	Rate Year 4	Rate Year 5
	wire, chased in brickwork and made good						
C.1.46	Room Integrity Testing excluding travel	per room	R	R	R	R	R
C.1.47	Alarm Monitoring	per month	R	R	R	R	R

Pricing Instructions:

- 5.1 State the rates and prices in Rand unless instructed otherwise in the tender conditions.
- 5.2 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 14 days before the closing time stated in the General Tender Information.
- 5.3 All prices tendered must include all expenses, disbursements and costs (e.g. transport, accommodation etc.) that may be required for the execution of the tenderer's obligations in terms of the Contract, and shall cover the cost of all general risks, liabilities and obligations set forth or implied in the Contract as well as overhead charges and profit (in the event that the tender is successful). All prices tendered will be final and binding.
- 5.4 All prices shall be tendered in accordance with the units specified in this schedule.
- 5.5 Where a value is given in the Quantity column, a Rate and Price (the product of the Quantity and Rate) is required to be inserted in the relevant columns.
- 5.6 The successful tenderer is required to perform all tasks listed against each item. The tenderer must therefore tender prices/rates on all items as per the section in the Price Schedule. **An item against which no rate is/are entered, or if anything other than a rate or a nil rate (for example, a zero, a dash or the word "included" or abbreviations thereof) is entered against an item, it will also be regarded as a nil rate having been entered against that item, i.e. that there is no charge for that item. The Tenderer may be requested to clarify nil rates, or items regarded as having nil rates; and the Employer may also perform a risk analysis with regard to the reasonableness of such rates.**
- 5.7 Provide fixed rates and prices for the duration of the contract that are not subject to adjustment except as otherwise provided for in clause 17 of the Conditions of Contract and as amplified in the Special Conditions of Contract.
- 5.8 The completion of the Pricing Schedule requires the following information:
In the following pricing schedules where requested Tenderers are required to respond with their chosen Original Equipment Manufacturer (OEM) or Distributor of the proposed goods and the Mark-Up percentage which will be applied to the OEM's list price of an item
- Mark-up Value** – the amount that the Tenderer adds to the OEM (Original Equipment Manufacturer) price in Rand.
- Mark-up percentage (%)** – This is the Mark-up Value as expressed as a percentage (%) of the OEM price by applying the formula:
- $$\text{Mark-up \%} = (\text{Mark-up value} \div \text{OEM Price}) \times 100$$
- Final Price** – This is the price that will be invoiced to the City and is calculated by the formula:
- $$\text{Final Price} = \text{OEM Price} + \text{Mark-Up Value}$$
- 5.9 This tender consists of three schedules ie. **Schedule A:** Supply of Existing Fire Alarm Systems, Equipment and Ancillaries; **Schedule B:** Supply of New Fire Alarm Systems, Equipment and Ancillaries and **Schedule C:** Rates required for Installation, Upgrades and Maintenance of Fire Alarm Systems, Equipment and Ancillaries.
- Tenderers must price for Schedules A, B and C.
- 5.10 Tenderers **MUST** provide a ***comprehensive** Original Equipment Manufacturer (OEM) or Distributor price lists for fire alarm systems, equipment and ancillaries, including all supporting OEM or Distributors technical information, schematics, operating and maintenance manuals and documentation. These detailed and comprehensive price lists shall comprise all items required to supply, install, upgrade and maintain the City's fire alarm systems, equipment and ancillaries. Any item required to complete the Works, not listed in the detailed and comprehensive price list, shall be deemed to be included in the offered rates.

5.11 Please attach OEM/Distributor comprehensive price lists in Schedule-13 for each schedule tendered for.

The OEM price list must clearly indicate:

- a) OEM/Distributor ITEM NAME
- b) OEM/Distributor Price for the Item **inclusive of once-off OEM licence**
- c) 12-Month OEM annual Support Price per item where applicable
- d) **Reference Item number in pricelist**

5.12 The price list **MUST** be in the OEM/Distributor letterhead. The CCT reserves the right to approach the Original Equipment Manufacturers or Distributor directly for Price Lists, to ensure fair, equitable, transparent, competitive and cost-effective evaluation of the Bid. Please provide contact details of the OEM/ Distributor in schedule 13 D to enable the City to verify authenticity of the price lists submitted.

5.13 All equivalent products tendered must be able to integrate into the existing environment seamlessly, with no disruption to the working environment and no additional integration costs for the City of Cape Town apart from the integration costs provided for in the price schedule. All ambiguity must be explained as part of the equivalent product information that must be provided with your tender submission. Fully explain equivalent solutions. State all assumptions upfront and note that any unconfirmed assumptions that are deemed by the City as being not fit for purpose or infringing the City of Cape Town's interests may render the equivalent solution as non-responsive.

5.14 For the purposes of price evaluations, all pricing must assume an exchange rate of R17/\$, R18/Euro and R20/BP

INITIALS OF CITY OFFICIALS		
1	2	3

(6) SUPPORTING SCHEDULES

Schedule 1: Certificate of Authority for Partnerships/ Joint Ventures/ Consortiums

This schedule is to be completed if the tender is submitted by a partnership/joint venture/ consortium.

1. We, the undersigned, are submitting this tender offer as a partnership/ joint venture/ consortium and hereby authorize Mr/Ms _____, of the authorised entity _____, acting in the capacity of Lead Partner, to sign all documents in connection with the tender offer and any contract resulting from it on the partnership/joint venture/ consortium's behalf.
2. By signing this schedule the partners to the partnership/joint venture/ consortium:
 - 2.1 warrant that the tender submitted is in accordance with the main business and objectives of the partnership/joint venture/ consortium;
 - 2.2 agree that the CCT shall make all payments in terms of this Contract into the following bank account of the Lead Partner:

Account Holder: _____

Financial Institution: _____

Branch Code: _____

Account No.: _____
 - 2.3 agree that in the event that there is a change in the partnership/ joint venture/ consortium and/or should a dispute arise between the partnership/joint venture/ consortium partners, that the CCT shall continue to make any/all payments due and payable in terms of the Contract into the aforesaid bank account until such time as the CCT is presented with a Court Order or an original agreement (signed by each and every partner of the partnership/joint venture/ consortium) notifying the CCT of the details of the new bank account into which it is required to make payment.
 - 2.4 agree that they shall be jointly and severally liable to the CCT for the due and proper fulfilment by the successful tenderer/supplier of its obligations in terms of the Contract as well as any damages suffered by the CCT as a result of breach by the successful tenderer/supplier. The partnership/joint venture/ consortium partners hereby renounce the benefits of excussion and division.

SIGNED BY THE PARTNERS OF THE PARTNERSHIP/ JOINT VENTURE/ CONSORTIUM		
NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner		Signature..... Name..... Designation.....
		Signature..... Name..... Designation.....
		Signature..... Name..... Designation.....
		Signature..... Name..... Designation.....

Note: A copy of the Joint Venture Agreement shall be appended to List of other documents attached by tenderer schedule.

Schedule 2: Declaration for Procurement above R10 million

If the value of the transaction is expected to exceed R10 million (VAT included) the tenderer shall complete the following questionnaire, attach the necessary documents and sign this schedule:

1. Are you by law required to prepare annual financial statements for auditing ? (Please mark with X)

YES		NO	
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1.1 If YES, submit audited annual financial statements:

- (i) for the past three years, or
(ii) since the date of establishment of the tenderer (if established during the past three years)

By attaching such audited financial statements to **List of other documents attached by tenderer** schedule.

2. Do you have any outstanding undisputed commitments for municipal services towards the CCT or other municipality in respect of which payment is overdue for more than 30 (thirty) days? (Please mark with X)

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

- 2.1 If NO, this serves to certify that the tenderer has no undisputed commitments for municipal services towards any municipality for more than three (3) (three) months in respect of which payment is overdue for more than 30 (thirty) days.

2.2 If YES, provide particulars:

3. Has any contract been awarded to you by an organ of state during the past five (5) years? (Please mark with X)

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

3.1 If YES, insert particulars in the table below including particulars of any material non-compliance or dispute concerning the execution of such contract. Alternatively attach the particulars to **List of other documents attached by tenderer** schedule in the same format as the table below:

Organ of State	Contract Description	Contract Period	Non-compliance/dispute (if any)

4. Will any portion of the goods or services be sourced from outside the Republic, and if so, what portion and whether any portion of payment from the CCT is expected to be transferred out of the Republic? (Please mark with X)

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

4.1 If YES, furnish particulars below

The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract, restriction of the tenderer or the exercise by the employer of any other remedies available to it.

 Signature
 Print name:
 On behalf of the tenderer (duly authorised)

 Date

Schedule 3:
PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL
PROCUREMENT REGULATIONS 2022
Definitions

The following definitions shall apply to this schedule:

- (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).

FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES
3.1. POINTS AWARDED FOR PRICE
3.1.1 THE 90/10 PREFERENCE POINT SYSTEMS

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

90/10

$$P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

Where

- P_s = Points scored for price of tender under consideration
- P_t = Price of tender under consideration
- P_{min} = Price of lowest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

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

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

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

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

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

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)
Gender	3	
Race	3	
Disability	1	
Promotion of Micro and Small Enterprises	3	

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:

.....

.....

.....

For official use.

SIGNATURE OF CITY OFFICIALS AT
TENDER OPENING

1.	2.	3.
----	----	----

Schedule 4: Declaration of Interest – State Employees (MBD 4 amended)

1. No bid will be accepted from:
 - 1.1 persons in the service of the state¹, or
 - 1.2 if the person is not a natural person, of which any director, manager or principal shareholder or stakeholder is in the service of the state, or
 - 1.3 from persons, or entities of which any director, manager or principal shareholder or stakeholder, has been in the service of the City of Cape Town during the twelve months after the City employee has left the employ of the City, or
 - 1.4 from an entity who has employed a former City employee who was at a level of T14 of higher at the time of leaving the City's employ and involved in any of the City's bid committees for the bid submitted, if:
 - 1.4.1 the City employee left the City's employment voluntarily, during a period of 12 months after the City employee has left the employ of the City;
 - 1.4.2 the City employee left the City's employment whilst facing disciplinary action by the City, during a period of 24 months after the City employee has left the employ of the City, or any other period prescribed by applicable legislative provisions, after having left the City's employ.
2. Any person, having a kinship with persons in the service of the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the tenderer or their authorised representative declare their position in relation to the evaluating/adjudicating authority.
3. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.
 - 3.1 Full Name of tenderer or his or her representative:.....
 - 3.2 Identity Number:.....
 - 3.3 Position occupied in the Company (director, trustee, shareholder²):.....
 - 3.4 Company or Close Corporation Registration Number:.....
 - 3.5 Tax Reference Number.....
 - 3.6 VAT Registration Number:.....
 - 3.7 The names of all directors / trustees / shareholders members, their individual identity numbers and state employee numbers must be indicated in paragraph 4 below.
 - 3.8 Are you presently in the service of the state? **YES / NO**
 - 3.8.1 If yes, furnish particulars
 - 3.9 Have you been in the service of the state for the past twelve months? **YES / NO**
 - 3.9.1 If yes, furnish particulars
 - 3.10 Do you have any relationship (family, friend, other) with persons in the service of the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**
 - 3.10.1 If yes, furnish particulars
 - 3.11 Are you, aware of any relationship (family, friend, other) between any other tenderer and any persons in the service of the state who may be involved with the evaluation and or adjudication of this bid? **YES / NO**
 - 3.11.1 If yes, furnish particulars.....

3.12 Are any of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.12.1 If yes, furnish particulars

3.13 Are any spouse, child or parent of the company's directors, trustees, managers, principle shareholders or stakeholders in service of the state? **YES / NO**

3.13.1 If yes, furnish particulars

3.14 Do you or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company have any interest in any other related companies or business whether or not they are bidding for this contract? **YES / NO**

3.14.1 If yes, furnish particulars

3.15 Have you, or any of the directors, trustees, managers, principle shareholders, or stakeholders of this company been in the service of the City of Cape Town in the past twelve months? **YES / NO**

3.15.1 If yes, furnish particulars

3.16 Do you have any employees who was in the service of the City of Cape Town at a level of T14 or higher at the time they left the employ of the City, and who was involved in any of the City's bid committees for this bid? **YES / NO**

3.16.1 If yes, furnish particulars

4. Full details of directors / trustees / members / shareholders

Full Name	Identity Number	State Employee Number

If the above table does not sufficient to provide the details of all directors / trustees / shareholders, please append full details to the tender submission.

The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being

taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract, restriction of the tenderer or the exercise by the employer of any other remedies available to it.

Signature

Print name:

Date

On behalf of the tenderer (duly authorised)

¹MSCM Regulations: "in the service of the state" means to be –

(a) a member of –

- (i) any municipal council;***
- (ii) any provincial legislature; or***
- (iii) the national Assembly or the national Council of provinces;***

(b) a member of the board of directors of any municipal entity;

(c) an official of any municipality or municipal entity;

(d) an employee of any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999);

(e) an executive member of the accounting authority of any national or provincial public entity; or

(f) an employee of Parliament or a provincial legislature.

² Shareholder" means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

Schedule 5: Conflict of Interest Declaration

1. The tenderer shall declare whether it has any conflict of interest in the transaction for which the tender is submitted. (Please mark with X)

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

- 1.1 If yes, the tenderer is required to set out the particulars in the table below:

2. The tenderer shall declare whether it has directly or through a representative or intermediary promised, offered or granted:

2.1 any inducement or reward to the CCT for or in connection with the award of this contract; or

2.2 any reward, gift, favour or hospitality to any official or any other role player involved in the implementation of the supply chain management policy. (Please mark with X)

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

If yes, the tenderer is required to set out the particulars in the table below:

Should the tenderer be aware of any corrupt or fraudulent transactions relating to the procurement process of the City of Cape Town, please contact the following:

the City's anti-corruption hotline at 0800 32 31 30 (toll free)

The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract, restriction of the tenderer or the exercise by the employer of any other remedies available to it.

Signature
Print name:
On behalf of the tenderer (duly authorised)

Date

Schedule 6: Declaration of Tenderer's Past Supply Chain Management Practices (MBD 8)

Where the entity tendering is a partnership/joint venture/consortium, each party to the partnership/joint venture/consortium must sign a declaration in terms of the Municipal Finance Management Act, Act 56 of 2003, and attach it to this schedule.

- 1 The tender offer of any tenderer may be rejected if that tenderer or any of its directors/members have:**
- a) abused the municipality's / municipal entity's supply chain management system or committed any fraudulent conduct in relation to such system;
 - b) been convicted for fraud or corruption during the past five years;
 - c) willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
 - d) been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004) or Database of Restricted Suppliers.
- 2 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
2.1	<p>Is the tenderer or any of its directors/members listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?</p> <p>(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</p> <p>The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>
2.1.1	If so, furnish particulars:		
2.2	<p>Is the tenderer or any of its directors/members listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004) or Database of Restricted Suppliers?</p> <p>The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>
2.2.1	If so, furnish particulars:		
2.3	<p>Was the tenderer or any of its directors/members convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?</p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>

2.3.1	If so, furnish particulars:		
Item	Question	Yes	No
2.4	Does the tenderer or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.4.1	If so, furnish particulars:		
2.5	Was any contract between the tenderer and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
2.7.1	If so, furnish particulars:		

The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract, , restriction of the tenderer or the exercise by the employer of any other remedies available to it.

 Signature
 Print name:
 On behalf of the tenderer (duly authorised)

 Date

Schedule 7: Authorisation for the Deduction of Outstanding Amounts Owed to the City of Cape Town

To: THE CITY MANAGER, CITY OF CAPE TOWN

From: _____
(Name of tenderer)

RE: AUTHORISATION FOR THE DEDUCTION OF OUTSTANDING AMOUNTS OWED TO THE CITY OF CAPE TOWN

The tenderer:

- a) hereby acknowledges that according to SCM Regulation 38(1)(d)(i) the City Manager may reject the tender of the tenderer if any municipal rates and taxes or municipal service charges owed by the tenderer (or any of its directors/members/partners) to the CCT, or to any other municipality or municipal entity, are in arrears for more than 3 (three) months; and
- b) therefore hereby agrees and authorises the CCT to deduct the full amount outstanding by the Tenderer or any of its directors/members/partners from any payment due to the tenderer; and
- c) confirms the information as set out in the tables below for the purpose of giving effect to b) above;
- d) The tenderer hereby certifies that the information set out in this schedule and/or attached hereto is true and correct, and acknowledges that failure to properly and truthfully complete this schedule may result in steps being taken against the tenderer, the tender being disqualified, and/or (in the event that the tenderer is successful) the cancellation of the contract, restriction of the tenderer or the exercise by the employer of any other remedies available to it.

Physical Business address(es) of the tenderer	Municipal Account number(s)

If there is not enough space for all the names, please attach the information to **List of other documents attached by tenderer** schedule in the same format:

Name of Director / Member / Partner	Identity Number	Physical residential address of Director / Member / Partner	Municipal Account number(s)

Signature
Print name:
On behalf of the tenderer (duly authorised)

Date

Schedule 8: Contract Price Adjustment and/or Rate of Exchange Variation

NOT APPLICABLE

Schedule 9: Certificate of Independent Tender Determination

I, the undersigned, in submitting this **TENDER NO: 103S/2023/24 – SUPPLY, INSTALLATION, MAINTENANCE AND SUPPORT OF FIRE ALARM SYSTEMS, EQUIPMENT AND ANCILLARIES** in response to the tender invitation made by THE CITY OF CAPE TOWN, do hereby make the following statements, which I certify to be true and complete in every respect:

I certify, on behalf of : _____ (Name of tenderer)

That:

1. I have read and I understand the contents of this Certificate;
2. I understand that this tender will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorised by the tenderer to sign this Certificate, and to submit this tender, on behalf of the tenderer;
4. Each person whose signature appears on this tender has been authorised by the tenderer to determine the terms of, and to sign, the tender on behalf of the tenderer;
5. For the purposes of this Certificate and this tender, I understand that the word 'competitor' shall include any individual or organisation other than the tenderer, whether or not affiliated with the tenderer, who:
 - (a) has been requested to submit a tender in response to this tender invitation;
 - (b) could potentially submit a tender in response to this tender invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the tenderer and/or is in the same line of business as the tenderer.
6. The tenderer has arrived at this tender independently from and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium¹ will not be construed as collusive price quoting.
7. In particular, without limiting the generality of paragraphs 5 and 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation);
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit a tender;
 - (e) the submission of a tender which does not meet the specifications and conditions of the tender; or
 - (f) tendering with the intention not to win the contract.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this tender invitation relates.
9. The terms of this tender have not been and will not be disclosed by the tenderer, directly or indirectly, to any competitor, prior to the date and time of the official tender opening or of the awarding of the contract.
10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to tenders and contracts, tenders 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, Act 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 10 (ten) years in terms of the Prevention and Combating of Corrupt Activities Act, Act 12 of 2004, or any other applicable legislation.

Signature

Date

Name (PRINT)

(For and on behalf of the Tenderer (duly authorised))

(¹ Consortium: 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.)

Schedule 10: Price Basis for Imported Resources

NOT APPLICABLE

Schedule 11: List of other documents attached by tenderer

The tenderer has attached to this schedule, the following additional documentation:

	Date of Document	Title of Document or Description (refer to clauses / schedules of this tender document where applicable)
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		

Attach additional pages if more space is required.

 Signature
 Print name:
 On behalf of the tenderer (duly authorised)

 Date

Schedule 12: Record of Addenda to Tender Documents

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

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

Attach additional pages if more space is required.

SIGNED ON BEHALF OF TENDERER:

Schedule 13: Information to be provided with the tender
--

1. OEM ACCREDITATION

To be declared responsive, tenderers **MUST** be authorised by the OEM or an Accredited Distributor to sell the goods, support and manage any warranty processes and escalations, as and when required. Proof of such authorisation must be submitted with the tender document as follows:

- c) Should the tenderer be accredited by an OEM, proof of accreditation from the OEM **MUST** be submitted with the tender document, please append evidence in Schedule 13.
- d) Should the tenderer be accredited by an Accredited Distributor, the following documents **MUST** be submitted with the tender, please append evidence in Schedule 13.
 - Proof of the Distributor's OEM accreditation by the OEM **MUST** be submitted with the tender document, and
 - Proof of accreditation / authorisation of the Tenderer by the Distributor **MUST** be submitted with the tender document.

2. EVIDENCE OF SAQCC FIRE REGISTRATION

To be declared responsive, the Tenderer's staff responsible for the design, installation and maintenance of the fire alarm system must be registered and in good standing with the South African Qualifications and Certification Committee [SAQCC] Fire. In this regard, the Tenderer must submit evidence in the form of a valid certificate of registration with the SAQCC Fire in schedule 13.

SIGNED ON BEHALF OF TENDERER:

Schedule 13 A: Track record and Company Experience

Please provide projects where you have installed, supported and managed Fire Alarm Systems for Enterprise Clients

Item Number	Summary/Description of the Project	Number of connected devices	Period of the project Start and end date	Name of Enterprise Client where the service was rendered	Contact Person	Contact Details Telephone and email

Schedule 13B: Technical Support

The tenderer must have a technical support capability (call centre/helpdesk) which can support business hours as well as 24x7 after-hours technical support.

Please state the operating hours of your technical support capabilities (call centre/helpdesk) (e.g. business hours only, or a 24/7/365) centre/helpdesk

Schedule 13C: Technical Support Call Center

Please state if you provide a business hours call centre / helpdesk or 24hr call centre / helpdesk service. As evidence to your response please provide here the Call Centre / Helpdesk contact information as well as summarised procedure of how calls are logged and resolved.

Refer to the functionality criteria scoring to evaluate the information to be provided in this table.

Operating hours of call centre/helpdesk:

Call Centre / Helpdesk contact details during business hours:

Call Centre / Helpdesk contact details after hours (24h services):

Schedule 13C: Technical Support Call Center

Please state if you provide a business hours call centre / helpdesk or 24hr call centre / helpdesk service. As evidence to your response please provide here the Call Centre / Helpdesk contact information as well as summarised procedure of how calls are logged and resolved.

Refer to the functionality criteria scoring to evaluate the information to be provided in this table.

Summary process steps or procedure to log a service call.

Schedule 13D: Staff: Engineering/Technical

The tenderer must have Technical staff with at least 3 years experience in the Fire Alarm environment.

Please also provide a CV with high-level summary of relevant skills, qualifications and include the SAQCC certification for each individual.

Name and Surname of Engineer / Technical Staff	Position	Qualification	No of years of experience	CV Included "Yes / No"	SAQCC Levels

SIGNED ON BEHALF OF TENDERER:

TENDER DOCUMENT GOODS AND SERVICES		 <div>CITY OF CAPE TOWN ISIXEKO SASEKAPA STAD KAAPSTAD</div>	
SUPPLY CHAIN MANAGEMENT			
SCM - 542	Approved by Branch Manager: 03/04/2020	Version: 9.1	Page 93 of 155

TENDER NO: 103S/2023/24

TENDER DESCRIPTION: SUPPLY, INSTALLATION, MAINTENANCE AND SUPPORT OF FIRE ALARM SYSTEMS, EQUIPMENT AND ANCILLARIES

CONTRACT PERIOD: FROM DATE OF COMMENCEMENT UNTIL 30 JUNE 2031

VOLUME 3: DRAFT CONTRACT

TENDERER	
NAME of Company/Close Corporation or Partnership / Joint Venture/ Consortium or Sole Proprietor /Individual	
TRADING AS (if different from above)	

NATURE OF TENDER OFFER (please indicate below)	
Main Offer (see clause 2.2.11.1)	
Alternative Offer (see clause 2.2.11.1)	

VOLUME 3: DRAFT CONTRACT

(7) SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract, referring to the National Treasury – Conditions of Contract (revised July 2010), are applicable to this Contract:

1. Definitions

Delete Clause 1.15 and substitute with the following

- 1.15 The word 'Goods' is to be replaced everywhere it occurs in the GCC with the phrase 'Goods and / or Services' which means all of the equipment, machinery, materials, services, products, consumables, etc. that the supplier is required to deliver to the purchaser under the contract. This definition shall also be applicable, as the context requires, anywhere where the words "supplies" and "services" occurs in the GCC.

Delete Clause 1.19 and substitute with the following

- 1.19 The word 'Order' is to be replaced everywhere it occurs in the GCC with the words 'Purchase Order' which means the official purchase order authorised and released on the purchaser's SAP System

Delete Clause 1.21 and substitute with the following:

- 1.21 'Purchaser' means the **City of Cape Town**. The address of the Purchaser is **12 Hertzog Boulevard, Cape Town, 8001**.

Add the following after Clause 1.25:

- 1.26 'Supplier' means any provider of goods and / or services with whom the contract is concluded
- 1.27 "Intellectual Property" means any and all intellectual property rights of any nature anywhere in the world whether registered, registerable or otherwise, including patents, trademarks, registered designs and domain names, applications for any of the foregoing, trade or business names, copyright and rights in the nature of copyright, design rights, rights in databases, know-how, trade secrets and any other intellectual property rights which subsist in computer software, computer programs, websites, documents, information, techniques, business methods, drawings, logos, instruction manuals, lists and procedures and particulars of customers, marketing methods and procedures and advertising literature, including the "look and feel" of any websites

3. General Obligations

Delete Clause 3.2 in its entirety and replace with the following clauses.

- 3.2 The parties will be liable to each other arising out of or in connection with any breach of the obligations detailed or implied in this contract, subject to clause 28.
- 3.3 All parties in a joint venture or consortium shall be jointly and severally liable to the purchaser in terms of this contract and shall carry individually the minimum levels of insurance stated in the contract, if any.
- 3.4 The parties shall comply with all laws, regulations and bylaws of local or other authorities having jurisdiction regarding the delivery of the goods and give all notices and pay all charges required by such authorities.
- 3.4.1 The parties agree that this contract shall also be subject to the CCT's Supply Chain Management Policy ('SCM Policy') that was applicable on the date the bid was advertised, **save that if the Employer adopts a new SCM Policy which contemplates that any clause therein would apply to the contract emanating from this tender, such clause shall also be applicable to that contract**. Please refer to this document contained on the CCT's website.
- 3.4.2 Abuse of the supply chain management system is not permitted and may result in cancellation of the contract, restriction of the supplier, and/or the exercise by the City of any other remedies available to it as described in the SCM Policy.

3.5 The **supplier shall:**

- 3.5.1 Arrange for the documents listed below to be provided to the Purchaser prior to the issuing of the order:
- a) Proof of Insurance (Refer to Clause 11) or Insurance Broker's Warrantee
 - b) Letter of good standing from the Compensation Commissioner, or a licensed compensation insurer (Refer to Clause 11)
 - c) Initial delivery programme
 - d) Other requirements as detailed in the tender documents
- 3.5.2 Only when notified of the acceptance of the bid by the issuing of the order, the supplier shall commence with and carry out the delivery of the goods in accordance with the contract, to the satisfaction, of the purchaser
- 3.5.3 Provide all of the necessary materials, labour, plant and equipment required for the delivery of the goods including any temporary services that may be required
- 3.5.4 Insure his workmen and employees against death or injury arising out of the delivery of the goods
- 3.5.5 Be continuously represented during the delivery of the goods by a competent representative duly authorised to execute instructions;
- 3.5.6 In the event of a loss resulting in a claim against the insurance policies stated in clause 11, pay the first amount (excess) as required by the insurance policy
- 3.5.7 Comply with all written instructions from the purchaser subject to clause 18
- 3.5.8 Complete and deliver the goods within the period stated in clause 10, or any extensions thereof in terms of clause 21
- 3.5.9 Make good at his own expense all incomplete and defective goods during the warranty period
- 3.5.10 Pay to the purchaser any penalty for delay as due on demand by the purchaser. The supplier hereby consents to such amounts being deducted from any payment to the supplier.
- 3.5.11 Comply with the provisions of the OHS Act & all relevant regulations.
- 3.5.12 Comply with all laws relating to wages and conditions generally governing the employment of labour in the Cape Town area and any applicable Bargaining Council agreements.
- 3.5.13 Deliver the goods in accordance with the contract and with all reasonable care, diligence and skill in accordance with generally accepted professional techniques and standards.

3.6 The **purchaser shall:**

- 3.6.1 Issue orders for the goods required under this Contract. No liability for payment will ensue for any work done if an official purchase order has not been issued to the supplier.
- 3.6.2 Make payment to the **supplier** for the goods as set out herein.
- 3.6.3 Take possession of the goods upon delivery by the supplier.
- 3.6.4 Regularly inspect the goods to establish that it is being delivered in compliance with the contract.
- 3.6.5 Give any instructions and/or explanations and/or variations to the supplier including any relevant advice to assist the supplier to understand the contract documents.
- 3.6.6 Grant or refuse any extension of time requested by the supplier to the period stated in clause 10.
- 3.6.7 Inspect the goods to determine if, in the opinion of the purchaser, it has been delivered in compliance with the contract, alternatively in such a state that it can be properly used for the purpose for which it was intended.
- 3.6.8 Brief the supplier and issue all documents, information, etc. in accordance with the contract.

5. Use of contract documents and information; inspection, copyright, confidentiality, etc.

Add the following after clause 5.4:

- 5.5 Copyright of all documents prepared by the supplier in accordance with the relevant provisions of the copyright Act (Act 98 of 1978) relating to contract shall be vested in the purchaser. Where copyright is vested in the supplier, the purchaser shall be entitled to use the documents or copy them only for the purposes for which they are intended in regard to the contract and need not obtain the supplier's permission to copy for such use. Where copyright is vested in the purchaser, the supplier shall not be liable in any way for the use of any of the information other than as originally intended for the contract and the purchaser hereby indemnifies the supplier against any claim which may be made against him by any party arising from the use of such documentation for other purposes.

The ownership of data and factual information collected by the supplier and paid for by the purchaser shall, after payment, vest with the purchaser

- 5.6 **Publicity and publication**
The supplier shall not release public or media statements or publish material related to the services or contract within two (2) years of completion of the services without the written approval of the purchaser, which approval shall not be unreasonably withheld.
- 5.7 **Confidentiality**
Both parties shall keep all information obtained by them in the context of the contract confidential and shall not divulge it without the written approval of the other party.
- 5.8 **Intellectual Property**
- 5.8.1 The supplier acknowledges that it shall not acquire any right, title or interest in or to the Intellectual Property of the Employer.
- 5.8.2 The supplier hereby assigns to the Employer, all Intellectual Property created, developed or otherwise brought into existence by it for the purposes of the contract, unless the Parties expressly agree otherwise in writing.
- 5.8.3 The supplier shall, and warrants that it shall:
- 5.8.3.1 not be entitled to use the Employer's Intellectual Property for any purpose other than as contemplated in this contract;
- 5.8.3.2 not modify, add to, change or alter the Employer's Intellectual Property, or any information or data related thereto, nor may the supplier produce any product as a result of, including and/or arising from any such information, data and Intellectual Property, and in the event that it does produce any such product, the product shall be, and be deemed in law to be, owned by the Employer;
- 5.8.3.3 not apply for or obtain registration of any domain name, trademark or design which is similar to any Intellectual Property of the Employer;
- 5.8.3.4 comply with all reasonable directions or instructions given to it by the Employer in relation to the form and manner of use of the Employer Intellectual Property, including without limitation, any brand guidelines which the Employer may provide to the supplier from time to time;
- 5.8.3.5 procure that its employees, directors, members and contractors comply strictly with the provisions of clauses 5.8.3.1 to 5.8.3.3 above;
- unless the Employer expressly agrees thereto in writing after obtaining due internal authority.
- 5.8.4 The supplier represents and warrants to the Employer that, in providing goods, services or both, as the case may be, for the duration of the contract, it will not infringe or make unauthorised use of the Intellectual Property rights of any third party and hereby indemnifies the Employer from any claims, liability, loss, damages, costs, and expenses arising from the infringement or unauthorised use by the supplier of any third party's Intellectual Property rights.

- 5.8.5 In the event that the contract is cancelled, terminated, ended or is declared void, any and all of the Employer's Intellectual Property, and any and all information and data related thereto, shall be immediately handed over to the Employer by the supplier and no copies thereof shall be retained by the supplier unless the Employer expressly and in writing, after obtaining due internal authority, agrees otherwise.

7. Performance Security

Delete clause 7.1 to 7.4 and replace with the following:

'Not Applicable. Tenderers must disregard **Form of Guarantee / Performance Security** and are not required to complete same.

8. Inspections, tests and analyses

Delete Clause 8.2 and substitute with the following:

- 8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the purchaser or an organisation acting on behalf of the purchaser.

10. Delivery and documents

Delete clauses 10.1 and 10.2 and replace with the following:

- 10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The time for delivery of the goods shall be the date as stated on the order. Orders for the supply and delivery of goods may be raised up until the expiry of a framework agreement bid, provided that the goods can be delivered within 30 days of expiry of the framework contract. All orders, other than for the supply and delivery of goods, must be completed prior to the expiry of the contract period.
- 10.2 The purchaser shall determine, in its sole discretion, whether the goods have been delivered in compliance with the contract, alternatively in such a state that it can be properly used for the purpose for which it was intended. When the purchaser determines that the goods have been satisfactorily delivered, the purchaser must issue an appropriate certification, or written approval, to that effect. Invoicing may only occur, and must be dated, on or after the date of acceptance of the goods.

11. Insurance

Add the following after clause 11.1:

- 11.2 Without limiting the obligations of the supplier in terms of this contract, the supplier shall effect and maintain the following additional insurances:
- a) Public liability insurances, in the name of the supplier, covering the supplier and the purchaser against liability for the death of or injury to any person, or loss of or damage to any property, arising out of or in the course of this Contract, in an amount not less than **R20 million** for any single claim;
 - b) Motor Vehicle Liability Insurance, in respect of all vehicles owned and / or leased by the supplier, comprising (as a minimum) "Balance of Third Party" Risks including Passenger Liability Indemnity;
 - c) Registration / insurance in terms of the Compensation for Occupational Injuries and Disease Act, Act 130 of 1993. This can either take the form of a certified copy of a valid Letter of Good Standing issued by the Compensation Commissioner, or proof of insurance with a licenced compensation insurer, from either the bidder's broker or the insurance company itself (see **Proof of Insurance / Insurance Broker's Warranty** section in document for a pro forma version).
 - d) Professional indemnity insurance providing cover in an amount of not less than R5 million in respect of each and every claim during the contract period.

In the event of under insurance or the insurer's repudiation of any claim for whatever reason, the CCT will retain its right of recourse against the supplier.

- 11.3 The supplier shall be obliged to furnish the CCT with proof of such insurance as the CCT may require from time to time for the duration of this Contract. Evidence that the insurances have been effected in terms of this clause, shall be either in the form of an insurance broker's warranty worded precisely as per the pro forma version contained in the **Proof of Insurance / Insurance Broker's Warranty** section of the document or copies of the insurance policies.

15. Warranty

Add to Clause 15.2:

- 15.2 This warranty for this contract shall remain valid for **twelve (12) months** after the goods have been delivered.

16. Payment

Delete Clause 16.1 in its entirety and replace with the following:

- 16.1 Payment of invoices will be made within 30 days of receiving the relevant invoice or statement, unless otherwise prescribed for certain categories of expenditure or specific contractual requirements in accordance with any other applicable policies of the City. All completed invoices for goods and services will be paid on a weekly basis and construction related invoices will be paid daily.

Notwithstanding anything contained above, the City shall not be liable for payment of any invoice that pre dates the date of delivery of any goods or services, or the date of certification for construction works.

Should the processing of a payment be delayed due to the late submission of documentation, any penalties imposed will be for the account of the functional business area. Any queries will also be referred to such line department.

No official shall commit Council to making a payment outside the scheduled payment terms

Delete Clause 16.2 in its entirety and replace with the following:

- 16.2 The supplier shall furnish the purchaser's Accounts Payable Department with an original tax invoice, clearly showing the amount due in respect of each and every claim for payment.

Add the following after clause 16.4

- 16.5 Notwithstanding any amount stated on the order, the supplier shall only be entitled to payment for goods actually delivered in terms of the Project Specification and Drawings, or any variations in accordance with clause 18. Any contingency sum included shall be for the sole use, and at the discretion, of the purchaser.

The CCT is not liable for payment of any invoice that pre-dates the date of delivery of the goods.

- 16.6 The purchaser will only make advanced payments to the supplier in strict compliance with the terms and details as contained on **Proforma Advanced Payment Guarantee** and only once the authenticity of such guarantee has been verified by the City's Treasury Department.

17. Prices

Add the following after clause 17.1

- 17.2 If as a result of an award of a contract beyond the original tender validity period, the contract execution will be completed beyond a period of twelve (12) months from the expiry of the original tender validity period, then the contract may be subject to contract price adjustment for that period beyond such twelve (12) months. An appropriate contract price adjustment formula will be determined by the Director: Supply Chain Management if such was not included in the bid documents.

- 17.3 If as a result of any extension of time granted the contract execution will be completed beyond a period of twelve (12) months from the expiry of the original tender validity period, then contract price adjustment may apply to that period beyond such twelve (12) months. An appropriate contract price adjustment formula will be determined by the Director: Supply Chain Management if such was not included in the bid documents.

17.4 The prices for the goods delivered and services performed shall be subject to contract price adjustment
N/A

17.5 If price adjustment for variations in the cost of plant and materials imported from outside of South Africa is provided for in the contract, such adjustment shall be based on the information contained on the schedule titled "**Price Basis for Imported Resources**" and as below. For the purposes of this clause the Rand value of imported Plant and Materials inserted on the schedule titled "**Price Basis for Imported Resources**" (column (F)) shall be the value in foreign currency (column (A)) converted to South African Rand (column (C)) by using the closing spot selling rate quoted by **CCT's** main banker, NEDBANK, on the Base Date (seven calendar days before tender closing date) rounded to the second decimal place (column(B)), to which shall be added any Customs Surcharge and Customs Duty applicable at that date (columns (D) and (E)).

17.5.1 Adjustment for variations in rates of exchange:

(a) The value in foreign currency inserted in column (A) shall be subject to clause (h) below when recalculating the Rand value.

(b) The rate of exchange inserted in column (B) shall be the closing spot selling rate quoted by Council's main banker, NEDBANK, on the Base Date, rounded to the second decimal place, subject to sub-paragraph (c) below.

(c) If the rate of exchange inserted by the Tenderer differs from the NEDBANK rate referred to above, then the NEDBANK rate shall apply and the Rand value in columns (C) and (F) shall be recalculated accordingly, without altering the price in the Price Schedule for the relevant items.

(d) If a tender from a supplier or sub-contractor provides for variations in rates of exchange, the Supplier may **only** claim for variations in rates of exchange if he binds the supplier or sub-contractor to the same provision to take out forward cover as described in sub-paragraph (e) below.

(e) The Supplier (or sub-contractor) shall within five working days from the date of placing a firm order on an overseas supplier, cover or recover forward by way of a contract with a bank which is an authorised foreign exchange dealer, the foreign exchange component of the cost of any imported Plant and Materials inserted by the Tenderer on the scheduled titled "**Price Basis for Imported Resources**".

(f) When the Supplier (or sub-contractor) so obtains forward cover, the Supplier shall immediately notify the CCT of the rate obtained and furnish the CCT with a copy of the foreign exchange contract note.

(g) Based on the evidence provided in sub-paragraph (f) above, the value in Rand inserted in column (C) of on the schedule titled "**Price Basis for Imported Resources**" shall be recalculated using the forward cover rate obtained, and any increase or decrease in the Rand value defined in this clause shall be adjusted accordingly, subject to sub-paragraph (h) below.

(h) The adjustments shall be calculated upon the value in foreign currency in the Supplier's (or sub-contractor's) **forward cover contract**, provided that, should this value exceed the value in foreign currency inserted in column (A) of on the schedule titled "**Price Basis for Imported Resources**", then the value in column (A) shall be used.

17.5.2 Adjustment for variations in customs surcharge and customs duty

(a) Any increase or decrease in the Rand value between the amounts of Customs Surcharge and Customs Duty inserted in on the schedule titled "**Price Basis for Imported Resources**" and those amounts actually paid to the Customs and Excise Authorities, which are due to changes in the percentage rates applicable or to the foreign exchange rate used by the authorities, shall be adjusted accordingly.

(b) The Tenderer shall state the Customs Duty Tariff Reference applicable to each item and the Supplier shall advise the CCT's Agent of any changes which occur.

17.5.3 Adjustment for variation in labour and material Costs

If the prices for imported Plant and Materials are not fixed, the Supplier shall in his Tender specify the formula for calculating Contract Price Adjustments normally used in the country of manufacture and the indices and relative proportions of labour and material on which his Tender prices are based. Evidence of the indices applicable shall be provided with each claim. The indices applicable 42 days before contractual dispatch date from the factory will be used for the purposes of Contract Price Adjustment.

Failure to specify a formula in the Tender shall mean that the prices are fixed or shall be deemed to be fixed.

18. Contract Amendments

Delete the heading of clause 18 and replace with the following:

18. Contract Amendments and Variations

Add the following to clause 18.1:

Variations means changes to the goods, extension of the duration or expansion of the value of the contract that the purchaser issues to the supplier as instructions in writing, subject to prior approval by the purchaser's delegated authority. Should the supplier deliver any goods not described in a written instruction from the purchaser, such work will not become due and payable until amended order has been issued by the purchaser.

20. Subcontracts

Add the following after clause 20.1:

- 20.2 The supplier shall be liable for the acts, defaults and negligence of any subcontractor, his agents or employees as fully as if they were the acts, defaults or negligence of the supplier.
- 20.3 Any appointment of a subcontractor shall not amount to a contract between the CCT and the subcontractor, or a responsibility or liability on the part of the CCT to the subcontractor and shall not relieve the supplier from any liability or obligation under the contract.

21. Delays in the supplier's performance

Delete Clause 21.2 in its entirety and replace with the following:

- 21.2 If at any time during the performance of the contract the supplier or its sub-contractors should encounter conditions beyond their reasonable control which impede the timely delivery of the goods, the supplier shall notify the purchaser in writing, within 7 Days of first having become aware of these conditions, of the facts of the delay, its cause(s) and its probable duration. As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation, and may at his discretion extend the time for delivery.

Where additional time is granted, the purchaser shall also determine whether or not the supplier is entitled to payment for additional costs in respect thereof. The principle to be applied in this regard is that where the purchaser or any of its agents are responsible for the delay, reasonable costs shall be paid. In respect of delays that were beyond the reasonable control of both the supplier and the purchaser, additional time only (no costs) will be granted.

The purchaser shall notify the supplier in writing of his decision(s) in the above regard.

- 21.3 No provision in a contract shall be deemed to prohibit the obtaining of goods from a national department, provincial department, or a local authority.

22. Penalties

Delete clause 22.1 and replace with the following:

- 22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum as stated herein for each day of the delay until actual delivery or performance.

The penalty for this contract shall be:

The purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, financial penalties as contained in the below methodology for Infringement of each Performance

Metric

Whenever a Performance Metric is not achieved, the Infringement will cause the stipulated number of Penalty Points to be incurred. The Purchaser shall be entitled (but not obliged) to penalise each Infringement by recording the incurrence of Penalty Points.

When incurred, the Penalty Points will be totalled up at the end of each Calendar Month.

If the total number of Penalty Points incurred in a Calendar Month is more than twenty (i.e. >20; 21 or more) (the Penalty Point Threshold) at any time during the Contact Period, then a Non-Compliance Event has occurred.

The occurrence of a Non-Compliance Event will result in the Purchaser imposing a Performance Penalty, which may be claimed by the Purchaser.

On the first occurrence of a Non-Compliance Event, the Purchaser will claim a Performance Penalty of 5% (five percent) of the total invoices value of all Services procured during the preceding twelve Calendar Months.

The Performance Penalty amount shall be claimed as a credit on the following month's account.

The first imposition of a Performance Penalty initiates a 12-month rolling period. This 12-month rolling period will commence on the 1st day of the Calendar Month in which the Non-Compliance Event occurred. Thereafter, the 12-month rolling period shall be defined as the current Calendar Month and the previous 11 months.

On the second occurrence of a Non-Compliance Event in a 12-month rolling period, the City will claim a Performance Penalty of 10% (ten percent) of the total invoices value of all Services procured during the preceding twelve Calendar Months, paid as a credit on the following month's account.

If a second Non-Compliance event does not occur in a 12-month rolling period, then at the end of the 12-month rolling period the default situation at the start of the contract period will prevail until a new Non-Compliance Event occurs, which will initiate a further 12-month rolling period.

On the final and subsequent occurrence of a Non-Compliance Event in a 12-month rolling period, the City will claim a Performance Penalty of 15% (fifteen percent) of the total invoices value of all Services procured during the preceding twelve Calendar Months, paid as a credit on the following month's account.

Performance Level Agreements: Fire Alarm Systems, Equipment and Ancillaries

Nr	Description	Type of support	SLA	Penalty Points
1	Ziton Fire Alarm System or equivalent and TOA Audio Evacuation System or equivalent at Cape Town Civic Centre	High level support, 1 st line, 2 nd line and above	Availability (During working and after hours), excluding planned maintenance >95% Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days	Severity 1 = 10 Severity 2 = 8 Severity 3 = 5 Severity 4 = 2
2	Ziton Fire Alarm or equivalent and Audio Evacuation Systems at facilities	High level support, 1 st line, 2 nd line and above	Availability (During working and after hours), excluding planned maintenance >95% Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days	Severity 1 = 10 Severity 2 = 8 Severity 3 = 5 Severity 4 = 2
3	Fire Suppression	High level support, 1 st line, 2 nd line	Availability (During working and after hours), excluding planned maintenance >95%	Severity 1 = 10

	Systems	and above	Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days	Severity 2 = 8 Severity 3 = 5 Severity 4 = 2
4	Emergency Lighting	High level support, 1 st line, 2 nd line and above	Availability (During working and after hours), excluding planned maintenance >95% Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days	Severity 1 = 10 Severity 2 = 8 Severity 3 = 5 Severity 4 = 2
5	White Noise System	High level support, 1 st line, 2 nd line and above	Availability (During working and after hours), excluding planned maintenance >95% Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days	Severity 1 = 10 Severity 2 = 8 Severity 3 = 5 Severity 4 = 2
8	Aspirating Smoke Detection System	High level support, 1 st line, 2 nd line and above	Availability (During working and after hours), excluding planned maintenance >95% Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days	Severity 1 = 10 Severity 2 = 8 Severity 3 = 5 Severity 4 = 2

22.2 The purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, financial penalties as contained on the **Preference Schedule** relating to breaches of the conditions upon which preference points were awarded.

23. Termination for default

Delete the heading of clause 23 and replace with the following:

23. Termination

Add the following to the end of clause 23.1:

if the supplier fails to remedy the breach in terms of such notice

Add the following after clause 23.7:

23.8 In addition to the grounds for termination due to default by the supplier, the contract may also be terminated

23.8.1 Upon the death of the supplier who was a Sole Proprietor, or a sole member of a Close Corporation, in which case the contract will terminate forthwith.

- 23.8.2 The parties by mutual agreement terminate the contract.
- 23.8.3 If an Order has been issued incorrectly, or to the incorrect recipient, the resulting contract may be terminated by the purchaser by written notice
- 23.8.4 If a material irregularity vitiates the procurement process leading to the conclusion of the contract, rendering the procurement process and the conclusion of the resulting contract unfair, inequitable, non-transparent, uncompetitive or not cost-effective, provided the City Manager follows the processes as described in the purchasers SCM Policy.
- 23.8.5 After providing notice to the supplier, if the implementation of the contract may result in reputational risk or harm to the City as a result of (inter alia):
- 23.8.5.1 reports of poor governance and/or unethical behaviour;
 - 23.8.5.2 association with known family of notorious individuals;
 - 23.8.5.3 poor performance issues, known to the Employer;
 - 23.8.5.4 negative social media reports; or
 - 23.8.5.5 adverse assurance (e.g. due diligence) report outcomes..
- 23.9 If the contract is terminated in terms of clause 23.8, all obligations that were due and enforceable prior to the date of the termination must be performed by the relevant party.

26. Termination for insolvency

Delete clause 26.1 and replace with the following:

- 26.1 The purchaser may make either of the following elections to ensure its rights are protected and any negative impact on service delivery is mitigated:
- 26.1.1 accept a supplier proposal (via the liquidator) to render delivery utilising the appropriate contractual mechanisms; or
 - 26.1.2 terminate the contract, as the liquidator proposed supplier is deemed unacceptable to the purchaser, at any time by giving written notice to the supplier (via the liquidator).
- 26.2 Termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

Amend clause 27.1 as follows:

- 27.1 If any dispute or difference of any kind whatsoever, with the exception of termination in terms of clause 23.1(c), arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve such dispute or difference amicably, by mutual consultation.

Delete Clause 27.2 in its entirety and replace with the following:

- 27.2 Should the parties fail to resolve any dispute by way of mutual consultation, either party shall be entitled to refer the matter for mediation before an independent and impartial person appointed by the City Manager in accordance with Regulation 50(1) of the Local Government: Municipal Finance Management Act, 56 of 2003 – Municipal Supply Chain Management Regulations (Notice 868 of 2005). Such referral shall be done by either party giving written notice to the other of its intention to commence with mediation. No mediation may be commenced unless such notice is given to the other party.

Irrespective whether the mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and share the costs of the mediator and related costs equally.

The mediator shall agree the procedures, representation and dates for the mediation process with the parties. The mediator may meet the parties together or individually to enable a settlement.

Where the parties reach settlement of the dispute or any part thereof, the mediator shall record such agreement and on signing thereof by the parties the agreement shall be final and binding.

Save for reference to any portion of any settlement or decision which has been agreed to be final and binding on the parties, no reference shall be made by or on behalf of either party in any subsequent court proceedings, to any outcome of an amicable settlement by mutual consultation, or the fact that any particular evidence was given, or to any submission, statement or admission made in the course of amicable settlement by mutual consultation or mediation.

28. Limitation of Liability

Delete clause 28.1 (b) and replace with the following:

- (b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the sums insured in terms of clause 11 in respect of insurable events, or where no such amounts are stated, to an amount equal to twice the contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

Add the following after clause 28.1:

28.2 Without detracting from, and in addition to, any of the other indemnities in this contract, the supplier shall be solely liable for and hereby indemnifies and holds harmless the purchaser against all claims, charges, damages, costs, actions, liability, demands and/or proceedings and expense in connection with:

- a) personal injury or loss of life to any individual;
- b) loss of or damage to property;

arising from, out of, or in connection with the performance by the supplier in terms of this Contract, save to the extent caused by the gross negligence or wilful misconduct of the purchaser.

28.3 The supplier and/or its employees, agents, concessionaires, suppliers, sub-contractors or customers shall not have any claim of any nature against the purchaser for any loss, damage, injury or death which any of them may directly or indirectly suffer, whether or not such loss, damages, injury or death is caused through negligence of the purchaser or its agents or employees.

28.4 Notwithstanding anything to the contrary contained in this Contract, under no circumstances whatsoever, including as a result of its negligent (including grossly negligent) acts or omissions or those of its servants, agents or contractors or other persons for whom in law it may be liable, shall any party or its servants (in whose favour this constitutes a *stipulatio alteri*) be liable for any indirect, extrinsic, special, penal, punitive, exemplary or consequential loss or damage of any kind whatsoever, whether or not the loss was actually foreseen or reasonably foreseeable), sustained by the other party, its directors and/or servants, including but not limited to any loss of profits, loss of operation time, corruption or loss of information and/or loss of contracts.

28.5 Each party agrees to waive all claims against the other insofar as the aggregate of compensation which might otherwise be payable exceeds the aforesaid maximum amounts payable.

31. Notices

Delete clauses 31.1 and 31.2 and replace with the following:

31.1 Any notice, request, consent, approvals or other communications made between the Parties pursuant to the Contract shall be in writing and forwarded to the addresses specified in the contract and may be given as set out hereunder and shall be deemed to have been received when:

- a) hand delivered – on the working day of delivery
- b) sent by registered mail – five (5) working days after mailing
- c) sent by email or telefax – one (1) working day after transmission

32. Taxes and Duties

Delete the final sentence of 32.3 and replace with the following:

In this regard, it is the responsibility of the supplier to submit documentary evidence in the form of a valid Tax Clearance Certificate issued by SARS to the CCT at the Supplier Management Unit located within the Supplier Management / Registration Office, 2nd Floor (Concourse Level), Civic Centre, 12 Hertzog Boulevard, Cape Town (Tel 021 400 9242/3/4/5).

Add the following after clause 32.3:

32.4 The **VAT registration** number of the City of Cape Town is **4500193497**.

ADDITIONAL CONDITIONS OF CONTRACT

Add the following Clause after Clause 34:

35. Reporting Obligations

35.1 The supplier shall complete, sign and submit with each delivery note, all the documents as required in the Specifications. Any failure in this regard may result in a delay in the processing of any payments.

(8) GENERAL CONDITIONS OF CONTRACT

(National Treasury - General Conditions of Contract (revised July 2010))

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1. Definitions

1. The following terms shall be interpreted as indicated:

- 1.1 'Closing time' means the date and hour specified in the bidding documents for the receipt of bids.
- 1.2 'Contract' means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.3 'Contract price' means the price payable to the supplier under the contract for the full and proper performance of his or her contractual obligations.
- 1.4 'Corrupt practice' means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
- 1.5 'Countervailing duties' are imposed in cases in which an enterprise abroad is subsidised by its government and encouraged to market its products internationally.

- 1.6 'Country of origin' means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognised new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 1.7 'Day' means calendar day.
- 1.8 'Delivery' means delivery in compliance with the conditions of the contract or order.
- 1.9 'Delivery ex stock' means immediate delivery directly from stock actually on hand.
- 1.10 'Delivery into consignee's store or to his site' means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
- 1.11 'Dumping' occurs when a private enterprise abroad markets its goods on its own initiative in the RSA at lower prices than that of the country of origin, and which action has the potential to harm the local industries in the RSA.
- 1.12 'Force majeure' means an event beyond the control of the supplier, not involving the supplier's fault or negligence, and not foreseeable. Such events may include, but are not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.13 'Fraudulent practice' means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14 'GCC' means the General Conditions of Contract.
- 1.15 'Goods' means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16 'Imported content' means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.17 'Local content' means that portion of the bidding price which is not included in the imported content, provided that local manufacture does take place.
- 1.18 'Manufacture' means the production of products in a factory using labour, materials, components and machinery, and includes other, related value-adding activities.
- 1.19 'Order' means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20 'Project site', where applicable, means the place indicated in bidding documents.
- 1.21 'Purchaser' means the organisation purchasing the goods.
- 1.22 'Republic' means the Republic of South Africa.
- 1.23 'SCC' means the Special Conditions of Contract.

1.24 'Services' means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance, and other such obligations of the supplier covered under the contract.

1.25 'Written' or 'in writing' means handwritten in ink or any form of electronic or mechanical writing.

2. Application

2.1 These general conditions are applicable to all bids, contracts and orders, including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.

2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.

2.3 Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3. General

3.1 Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable, a non-refundable fee for documents may be charged.

3.2 With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za.

4. Standards

4.1 The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

5. Use of contract documents and information; inspection.

5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for the purposes of such performance.

5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1, except for purposes of performing the contract.

5.3 Any document, other than the contract itself, mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.

5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

6. Patent rights

6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from the use of the goods or any part thereof by the purchaser.

7. Performance Security

7.1 Within 30 (thirty) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in the SCC.

- 7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.2 The performance security shall be denominated in the currency of the contract or in a freely convertible currency acceptable to the purchaser, and shall be in one of the following forms:
- a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
 - b) a cashier's or certified cheque.
- 7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than 30 (thirty) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in the SCC.

8. Inspections, tests and analyses

- 8.1 All pre-bidding testing will be for the account of the bidder.
- 8.2 If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organisation acting on behalf of the Department.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention of such is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4 If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7 Any contract supplies may on or after delivery be inspected, tested or analysed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier, who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal, the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
- 8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of the GCC.

9. Packing

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in the SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in the SCC.

10.2 Documents to be submitted by the supplier are specified in the SCC.

11. Insurance

11.1 The goods supplied under the contract shall be fully insured, in a freely convertible currency, against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.

12. Transportation

12.1 Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.

13. Incidental Services

13.1 The supplier may be required to provide any or all of the following services, including additional services (if any) specified in the SCC:

- (a) performance or supervision of on-site assembly, and/or commissioning of the supplied goods;
- (b) furnishing of tools required for the assembly and/or maintenance of the supplied goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
- (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
- (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare parts

14.1 As specified in the SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
- (b) in the event of termination of production of the spare parts:
 - (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications), or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for 12 (twelve) months after the goods, or any portion thereof, as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for 18 (eighteen) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in the SCC.

15.3 The purchaser shall notify the supplier promptly, in writing, of any claims arising under this warranty.

15.4 Upon receipt of such notice, the supplier shall, within the period specified in the SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.

15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in the SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16. Payment

16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in the SCC.

16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfilment of any other obligations stipulated in the contract.

16.3 Payments shall be made promptly by the purchaser, but in no case later than 30 (thirty) days after submission of an invoice or claim by the supplier.

16.4 Payment will be made in Rand unless otherwise stipulated in the SCC.

17. Prices

17.1 Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices tendered by the supplier in his bid, with the exception of any price adjustments authorized in the SCC or in the purchaser's request for bid validity extension, as the case may be.

18. Contract Amendments

18.1 No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.

19. Assignment

19.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

20. Subcontracts

20.1 The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

21. Delays in the supplier's performance

21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.

21.2 If at any time during the performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his or her discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.

21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.

21.4 The right is reserved to procure, outside of the contract, small quantities of supplies; or to have minor essential services executed if an emergency arises, or the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.

21.5 Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.

21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and, without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

22.1 Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services, using the current prime interest rate, calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23. Termination for default

23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
- (b) if the supplier fails to perform any other obligation(s) under the contract; or
- (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.

23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period not exceeding 10 years.

23.4 If a purchaser intends imposing a restriction on a supplier or any person associated with the supplier, the supplier will be allowed a time period of not more than 14 (fourteen) days to provide reasons why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated 14 (fourteen) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.

23.5 Any restriction imposed on any person by the Accounting Officer/Authority will, at the discretion of the Accounting Officer/Authority, also be applicable to any other enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which enterprise or person the first-mentioned person is or was, in the opinion of the Accounting Officer/Authority, actively associated.

23.6 If a restriction is imposed, the purchaser must, within 5 (five) working days of such imposition, furnish the National Treasury with the following information:

- (i) the name and address of the supplier and/or person restricted by the purchaser;
- (ii) the date of commencement of the restriction;
- (iii) the period of restriction; and
- (iv) the reasons for the restriction.

These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.

23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act, Act 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period of not less than five years and not more than 10 years. The National Treasury is empowered to determine the period of restriction, and each case will be dealt with on its own merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

24.1 When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidised import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall, on demand, be paid forthwith by the contractor to the State, or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he or she delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him or her.

25. Force majeure

25.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if, and to the extent that, his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.

25.2 If a force majeure situation arises, the supplier shall notify the purchaser promptly, in writing, of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

26. Termination for insolvency

26.1 The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve such dispute or difference amicably, by mutual consultation.

27.2 If, after 30 (thirty) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.

27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.

27.4 Mediation proceedings shall be conducted in accordance with the rules of procedure specified in the SCC.

27.5 Notwithstanding any reference to mediation and/or court proceedings herein,

- (a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
- (b) the purchaser shall pay the supplier any monies due to the supplier.

28. Limitation of Liability

28.1 Except in cases of criminal negligence or wilful misconduct, and in the case of infringement pursuant to Clause 6:

- (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and
- (b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

29. Governing language

29.1 The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.

30. Applicable Law

30.1 The contract shall be interpreted in accordance with South African laws, unless otherwise specified in the SCC.

31. Notices

31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail, and any other notice to him shall be posted by ordinary mail, to the address furnished in his bid or to the address notified later by him in writing; and such posting shall be deemed to be proper service of such notice.

31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

32. Taxes and Duties

32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, licence fees, and other such levies imposed outside the purchaser's country.

32.2 A local supplier shall be entirely responsible for all taxes, duties, licence fees, etc., incurred until delivery of the contracted goods to the purchaser.

32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.

33. National Industrial Participation (NIP) Programme

33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.

34 Prohibition of Restrictive practices

34.1 In terms of section 4 (1) (b) (iii) of the Competition Act, Act 89 of 1998, as amended, an agreement between or concerted practice by firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder(s) is/are or a contractor(s) was/were involved in collusive bidding (or bid rigging).

34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has/have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act, Act 89 of 1998.

34.3 If a bidder(s) or contractor(s) has/have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and/or terminate the contract in whole or part, and/or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding 10 (ten) years and/or claim damages from the bidder(s) or contractor(s) concerned.

(9) FORM OF GUARANTEE / PERFORMANCE SECURITY

NOT APPLICABLE

(10) FORM OF ADVANCE PAYMENT GUARANTEE

NOT APPLICABLE

(10.1) ADVANCE PAYMENT SCHEDULE

NOT APPLICABLE

(11) OCCUPATIONAL HEALTH AND SAFETY AGREEMENT**AGREEMENT MADE AND ENTERED INTO BETWEEN THE CITY OF CAPE TOWN (HEREINAFTER CALLED THE "CCT") AND**

..... ,
(Supplier/Mandatory/Company/CC Name)

IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, 85 OF 1993 AS AMENDED.

I, , representing

..... , as an employer
in its own right, do hereby undertake to ensure, as far as is reasonably practicable, that all work will be performed, and all equipment, machinery or plant used in such a manner as to comply with the provisions of the Occupational Health and Safety Act (OHSA) and the Regulations promulgated thereunder.

I furthermore confirm that I am/we are registered with the Compensation Commissioner and that all registration and assessment monies due to the Compensation Commissioner have been fully paid or that I/We are insured with an approved licensed compensation insurer.

COID ACT Registration Number:

OR Compensation Insurer: Policy No.:

I undertake to appoint, where required, suitable competent persons, in writing, in terms of the requirements of OHSA and the Regulations and to charge him/them with the duty of ensuring that the provisions of OHSA and Regulations as well as the Council's Special Conditions of Contract, Way Leave, Lock-Out and Work Permit Procedures are adhered to as far as reasonably practicable.

I further undertake to ensure that any subcontractors employed by me will enter into an occupational health and safety agreement separately, and that such subcontractors comply with the conditions set.

I hereby declare that I have read and understand the Occupational Health and Safety Specifications contained in this tender and undertake to comply therewith at all times.

I hereby also undertake to comply with the Occupational Health and Safety Specification and Plan submitted and approved in terms thereof.

Signed aton the.....day of.....20....

Witness

Mandatory

Signed at on the.....day of.....20

Witness

for and on behalf of
City of Cape Town

(12) INSURANCE BROKER'S WARRANTY (PRO FORMA)Logo*Letterhead of supplier's Insurance Broker*

Date _____

CITY OF CAPE TOWN
City Manager
Civic Centre
12 Hertzog Boulevard
Cape Town
8000

Dear Sir

TENDER NO.: 103S/2023/24**TENDER DESCRIPTION: SUPPLY, INSTALLATION, MAINTENANCE AND SUPPORT OF FIRE ALARM SYSTEMS,
EQUIPMENT AND ANCILLARIES**

NAME OF SUPPLIER: _____

I, the undersigned, do hereby confirm and warrant that all the insurances required in terms of the abovementioned contract have been issued and/or in the case of blanket/umbrella policies, have been endorsed to reflect the interests of the CITY OF CAPE TOWN with regard to the abovementioned contract, and that all the insurances and endorsements, etc., are all in accordance with the requirements of the contract.

I furthermore confirm that all premiums in the above regard have been paid.

Yours faithfully

Signed: _____

For: _____ (Supplier's Insurance Broker)

(13) SPECIFICATION(S)**13.1 INTRODUCTION AND BACKGROUND**

The City has numerous depots and facilities through out the Cape Metropolitan Area which require fire alarm systems to provide safety for staff, assets and public who visit these facilities. A number of different fire alarm systems are used but in the main the systems are based on Ziton systems. The biggest system is a ten-panel Ziton System which is utilised at the Cape Town Civic Centre.

This specification provides for the installation and maintenance of Fire Alarm Systems, Audio Evacuation, Fire Suppression, Emergency Lighting, Aspirating Smoke Detection Systems at Depots and Facilities.

Should the City require the Tenderer to replace an existing system with the most advanced available system, they may be requested to submit a proposal. The following conditions apply and must form part of the proposal:

- The existing system must remain fully operational during the replacement period.
- The transition to the new system must be seamless without compromising the alarm system.
- The new system must be fully compatible and be fully integratable with the existing Facilities Management Enterprise System (FMES).
- A system upgrade plan shall be provided to the City along with the proposal.

The existing audio evacuation system consists of amplifier sets on each floor. Currently, in the event of a fire alarm being triggered on a specific floor and the automatic evacuation sequence is initiated, evacuation messages are routed to the floor in the effected area and to the floor above and to the two floors below.

In terms of the CCT's Integrated Development Plan, the CCT is committed to being a Safe City and leveraging technology for progress. This may require, at the CCT's discretion, the investigation, development and implementation of new technology solutions. To this end the Tenderer shall ensure that the Price Lists reflected in the Pricing Schedule are detailed, comprehensive and include progressive technologies. Further, the services of an ECSA registered Professional Fire Engineer, as reflected in the Pricing Schedule, may be required, at the CCT's discretion, to support the investigation, development and implementation of the proposed solutions. The CCT shall not be obligated to accept nor implement any resulting technology offering.

13.2 TECHNICAL AND FUNCTIONAL REQUIREMENTS**Fire Alarm Systems**

13.2.1 The Fire Detection Panels and Alarm Systems shall meet or exceed the following minimum functional and technical requirements as specified below.

DESCRIPTION	SPECIFIED REQUIREMENTS
Technical Requirements	
Local & remote alarm logging	Yes
Configuration & management with software via remote link	Yes
Number of loops 1, 2, and 4.	Yes
Minimum number of addresses per loop	125
Compatibility with Ziton analogue addressable equipment or equivalent	Yes
Quiescent current per panel	<450mA for 4 loops at 24V
Load of panel only, excluding any external devices	<850mA at 24V and 25% of zones in alarm
Wiring	2 core screened
Sounder Circuits (Programmable)	2 X Dual monitored
Fire (common)	1 X voltage free N/O or N/C
Fault (common)	1 X voltage free N/O or N/C

DESCRIPTION	SPECIFIED REQUIREMENTS
Text Display	4 line, 160 character back lit LCD
Monitoring loop wiring	Open & short circuit fault, earth leakage, sensor removed and wrong device type
Connectivity	Ethernet port or equivalent compatible with IEEE 802.3, TCP/IP
Power	72 Hours standby and 30 minutes alarm
Functionality	
Coincidence alarm	Yes
Zone walk test	Yes
Control output	Yes
Output Delays	Yes
Alarm counter	Yes
Sounder silence delay	Yes
Alarm verification	Yes
Remote diagnostics	Yes
Environmental requirements	
Environmental rating	IP 30
Operating temperature	-10°C to + 50°C
Operating humidity	Max. 95% (non-condensing)

13.2.2 The systems shall be an addressable fire detection and alarm systems and shall be flexible, with a range of modular hardware which shall be software configurable.

13.2.3 The fire panels shall have built-in intelligence to be able to identify and disregard conditions, which would result in false or unwanted alarms.

13.2.4 The panels shall be available in 1, 2, and 4 loop sizes, accommodating up to 500 sensing addresses on a 4-loop panel. In the case of the Civic Centre where more than 4 loops are required, the panels shall be networked together to form one system controlling in excess of 4 000 devices.

13.2.5 The system shall be capable of being expanded by the addition of control panels to accommodate over 30 000 devices.

13.2.6 Each loop shall be able to connect to a minimum of 125 line devices (sensors, call-points, sounders or interface units). All loop devices shall incorporate switch settings enabling them to be assigned a unique address, the location of which can be pinpointed and polled by the panel every two seconds. Variations in the sensors environment caused by increases of temperature or products of combustion, shall be reported to the panel, where they shall be processed and compared to known fire data, prior to any alarm output being activated.

13.2.7 There shall be a constant communication between control panel and sensor, to provide user facilities including pre alarm, constant sensitivity adjustment and service and near service listings for all sensor types.

13.2.8 The software shall be flexible enough to enables facilities such as alarm organisation, evacuation procedures and cause and effect requirements to be easily programmed into the systems.

All configurations and site data shall be held in non volatile flash memory to ensure both the recall of initial system data input and subsequent on site amendments and modifications.

- 13.2.9 Each fire panel shall support, fire and non fire functions, loop powered sounders, remote control and remote display panels, up to 120 zones with over 700 programmable inputs and outputs per panel. The panels shall continuously monitor wiring and sensors, corrupt data detection and disconnection of faulty or corrupt loop sections.
- 13.2.10 The system shall monitor flow switches of sprinkler systems where installed.
- 13.2.11 Built-in system diagnostics with remote diagnostic support, sensor and sounder testing, statistics and status reports, sensor contamination and near service reports shall be available.
- 13.2.12 The system shall be easy to operate from the panel as well as from a computer based monitoring system.
- 13.2.13 Service and near service facilities shall be incorporated into the system to compensate for sensitivity drifting over time period and shall list sensors that are due for cleaning and others that may be approaching the service condition.
- 13.2.14 The system shall have alarm verification with two time integration levels for each address, selectable to suit sensor environment. Automatic Self Test procedures shall be included to ensure that all sensors are functionally tested every 24 hours confirming full functionality and correct calibration at all times.
- 13.2.15 Separate programmes for day and night operation shall be provided where different sensor sensitivity, alarm selection, alarm delays and fire brigade response can be configured.
- 13.2.16 The system shall have a Radio Loop Interface which shall enable full analogue system facilities to equipment sited where access is difficult or cable runs impossible.
- 13.2.17 Each sensor shall be maintained at constant sensitivity by automatic contamination adjustment from the system.
- 13.2.18 System integrity against partial or full short circuit faults or data corruption shall be maintained by means of intelligent loop isolation.
- 13.2.19 The system shall have facilities for self test sounders which have built in microphone circuits to automatically test sounder output by loop, zone or individual unit.
- 13.2.20 Access to the system shall be password protected with multiple access levels, complying with BS EN54 Part 2.
- 13.2.21 A event log of up to 1000 events shall be displayed or printed in order for all system events, alarms, faults and disablements, and shall be retained in the control panel memory.
- 13.2.22 The system shall have peer-to-peer networking to enable up to 64 stand alone control panels to be integrated into a single fire detection and alarm system.
- 13.2.23 Display and control functions shall be fully programmable and alarms and events, including zone, location and individual address detail, shall be displayed from the system of origin to any other networked panel. In addition it shall be possible to programme any alarms from any control panel, to operate sounders and outputs on any panels across the network.
- 13.2.24 One or more control panels shall be assigned as system masters, displaying complete system status. System control and graphics display computers shall show complete network status and allow control functions to be operated remotely.
- 13.2.25 A computer based monitoring system shall be connected to this network to provide the user with a complete system overview, while graphically presenting alarms and events and providing system control, colour graphics and event logging with archive facilities.

- 13.2.26 The server shall have minimum specifications of Quad Core Intel or equivalent processor, with 8GB RAM, 500GB hard drive, 24" LCD display, keyboard and mouse. The server shall be 19" rack mounted.
- 13.2.27 The server shall have USB, RS232 and RS485 ports or interface components appropriate for the network.
- 13.2.28 An Ethernet or equivalent IEEE802.3 compliant network card will be included.
- 13.2.29 For isolated security communication networks a second Ethernet or equivalent IEEE802.3 compliant card may be required.
- 13.2.30 The Server computer's operating system shall be the latest compatible Microsoft Windows Server OS which shall be compatible and support the fire alarm system software.
- 13.2.31 Tenderers shall ensure that the detailed and comprehensive price lists referred to in the pricing schedules are included in Schedule 14 and itemize all required components including mounting brackets and accessories.
- 13.2.32 The workstation or client computer shall have minimum specifications of Dual Core, 2.5GHz Intel or equivalent processor, with 8GB RAM, 500GB hard drive, 24" LCD display, keyboard and mouse.
- 13.2.33 The network interface for connection to the Server shall be a minimum of 100BaseT.
- 13.2.34 The workstation shall be supplied with Microsoft Windows 10 Professional or later version of OS, compatible with the fire alarm system client software and license.
- 13.2.35 Planner software shall be provided to enable system designers to fully configure the system either directly into the panel via a Personal Computer, or off site for subsequent downloading at the system commissioning stage. This software shall check that equipment parameters entered are within the ranges allowed and shall prompt the user on allowable options.
- 13.2.36 The software shall provide the user with full facilities for both fault diagnosis and system configuration off site.
- 13.2.37 Remote diagnostics hardware and software shall make information available to service personnel, prior to visiting site for remedial action or maintenance activity.
- 13.2.38 Should the system offered not be a Ziton or equivalent system and the existing addressable detectors are not compatible with the system offered, the tenderer shall include all the costs of replacing all the detectors in the system at no cost to CCT.
- 13.2.39 The system shall have a user friendly interface to the system to enter/ change/update/view system data, accept alarms/alerts, undertake diagnostics and any other functionality required.
- 13.2.40 The system shall be capable of providing local and remote system diagnostics, control, alarms and alerts for all the sub systems.
- 13.2.41 The system offered shall be compatible with the existing systems and sensors and shall have full interoperability between the various elements of the Fire Detection and Alarm System, the Audio Evacuation System, the Access Control System, the Building Management Systems and the Facilities Enterprise Management Systems, where relevant.
- 13.2.42 The Tenderer shall provide marked up layout drawings, in hard and soft copy formats, clearly indicating the components, addresses, routes, loops, zones and physical locations thereof, accompanied by a clear legend describing each of the component symbols used. There

shall also be a clear documented correlation between the Fire Panel zone descriptors and the zones/loops depicted on the layout drawings.

13.3 Audio Evacuation Systems

13.3.1 The Audio Evacuation Systems shall meet or exceed the following minimum functional and technical requirements as specified below.

DESCRIPTION	SPECIFIED REQUIREMENTS
Technical Requirements	
Minimum Message Storage Capacity	7 messages
Minimum duration of each Stored Message	60 seconds
Audio bandwidth	At least 3.4kHz
Audio output level	0dBm
Line input	10kOhm
Initiation Control	Single Message - Momentary contact Repeated Message – Closed contact for as long as required
Output	70/100V balanced line
Frequency Response	40Hz – 20kHz (Balanced Line)
Distortion (100Hz – 8kHz and 100mW – 100W)	< 1%
Maximum Output noise	-80dBm
Input	500mV into 22k Ohms
Test method	Impedance and pilot tone
Fault conditions to be reported	Line short or open circuit or earth leakage
Minimum Line length	1000m
Minimum Load on line monitored	420W
Minimum System Control inputs and outputs	125
Functional requirements	
Signal Routing of tones and messages	Yes
Alert tones	Yes
Automatic Amplifier Testing	Yes while in operation
All-call function at fireman's microphone even under failure of CPU	Yes
Logging functions	Yes
Signal Bus Matrix	Yes
Environmental requirements	
Environmental	IP30
Operating temperature range	- 10°C to + 50°C
Humidity	95% RH Non-Condensing

13.3.2 The control equipment offered shall have been approved by the SABS as being in compliance with the requirements of the IEC65 regulations in respect of safety and as such a Letter of Authority shall have been issued by the SABS. The engineer reserves the right to call for a copy of the current SABS Letter of Authority together with independent laboratory test reports in respect thereof.

13.3.3 All equipment offered shall be manufactured by a single manufacturer and no mix-and-match of equipment by various manufacturers shall be considered.

- 13.3.4 All components associated with the requirements shall be provided in the Emergency Control Room on the first floor of the Cape Town Civic Centre. The systems shall be adequately sized to provide power for the speaker zones required.
- 13.3.5 Microphone announcements, evacuation tones, pre-recorded messages, etc., shall be able to be routed via the signal routing unit to any operator-selected zone or group of zones. Priority shall exist to enable a microphone to override a signal tone or other function selected on the same zone.
- 13.3.6 The priority settings for the microphone control shall be as follows:
- | | | |
|------------|---|------------------------|
| Priority 1 | - | Main Microphone |
| Priority 2 | - | Alert Tone Generator |
| Priority 3 | - | Emergency Message unit |
- 13.3.7 It shall be possible to route any signal to any zone at any time within 3 seconds of awareness of an emergency situation. This facility is required to enable the operator to page into any zone or group of zones simultaneously, while feeding an alert tone to other zone/zones.
- 13.3.8 The Fire Detection Panels and Alarm System shall be fully integrated with the Audio Evacuation System to allow for the automatic as well as manual initiation of fire alarm signals to specified zones. Manual override by evacuation tones and main microphones shall be possible.
- 13.3.9 The Audio Evacuation System shall consist of a main control panel as described, integrated signal route units, power amplifiers, tone signal generators, loudspeakers, fire retardant cabling and ancillary components required to make up complete, operational systems.
- 13.3.10 The system shall be designed specifically for general purpose and emergency broadcasts.
- 13.3.11 The evacuation system shall allow the main control panels to address the occupants of the buildings as follows:
- 13.3.12 The occupants in any particular floor or zone.
- 13.3.13 The occupants in any group of floors or zones individually or simultaneously.
- 13.3.14 The occupants on all floors or zones in the buildings individually or simultaneously.
- 13.3.15 In addition to the functions described above, the evacuation system shall enable the main control panel operator to transmit any one of the following signals to any floor, group of floors or as an all-call:
- One of seven pre-recorded emergency evacuation messages.
 - An alert tone signal.
 - A voice announcement preceded by a chime.
- 13.3.16 The system shall have one master control panel located in the Emergency Control Room, as described above.

- 13.3.17 The system shall automatically override general broadcast messages in the zone/zones being addressed and broadcast speech, evacuation tones, or messages, utilizing these speakers.
- 13.3.18 A pre-recorded message device shall be provided, to interface with the input control panel to automatically send a pre-recorded message or tone(s) to the initiating zone/zones. The device shall receive the manual start command from the input control panel.
- 13.3.19 The pre-recorded message device shall be monitored continuously for functionality and operation availability. Should the unit fail, the operator shall be notified by a visual indication as well as an audible alarm. On removing the messaging card, a similar alarm shall be activated automatically within 100 seconds.
- 13.3.20 It shall be a rack mounting message unit utilizing digital storage techniques. The unit shall provide dual storage capacity and have the facility to play any one of the messages, once only or the same message repeatedly until manually deactivated. Up to two messages or tones (the same or different) shall be able to be broadcast simultaneously. This recording shall be made on removable non-volatile memory cards, to facilitate easy changes to messages without interruption to system availability.
- 13.3.21 The Power Amplifiers shall be rated in order to provide a crest factor handling capability of 10. The total output shall be sufficient to provide each loudspeaker connected to the unit with 6 Watts RMS at 60% rated output.
- 13.3.22 The output circuits of all power amplifiers shall be automatically supervised and an alarm signal shall be generated within 100 seconds when an amplifier has failed. In the event of a failure, a standby amplifier of equal rating shall be automatically switched into the line without interruption to the output signal. The standby amplifier shall also be supervised as above.
- 13.3.23 Suitable RMS Power Amplifiers shall be fully protected against open, short overload and reactive loads and designed for continuous unattended operation at maximum rated power, with input sensitivity of 500mV (unbalanced) for the rated output being required. A choice of 70V/100V (balanced) lines should be available as a standard feature. A mains ON/OFF switch/indicator mounted on the front panel shall be provided. The supplied Power Amplifiers shall have 20% headroom.
- 13.3.24 Various combinations of signal routing units to provide Matrix signal routing shall be provided to fulfil the requirements of the Specification.
- 13.3.25 Six input modular pre-amplifier/routing units designed to accept input modules which provide input equalization/signal generation and alarm tones shall be included to cater for all the required applications.
- 13.3.26 Signal routing shall be programmable and easily changed by software. Full automatic monitoring of the complete signal path is a prerequisite. It shall be possible to set the monitoring period from 100 seconds to monthly.
- 13.3.27 An electronic tone generator shall be provided which produces a signal which simulates the tone of a "wailing" mechanical air-operated siren, initiated and reset by remote control, with correct output level to match electronics within the amplifier.
- 13.3.28 The amplifiers shall be tested automatically whilst in operation or in standby mode. Amplifiers shall not to be disconnected from operation to test either the line or amplifiers.
- 13.3.29 Rack mounting line-monitoring units designed to monitor the integrity of the speaker lines shall be supplied. Tenderers shall cater for two monitored lines per zone.

- 13.3.30 Front panel indications shall be provided for fault conditions (short circuit or open circuit) or each circuit monitored in a common fault line to provide for remote signalling.
- 13.3.31 The existing evacuation speakers shall be tested and replaced, if necessary, to ensure adequate sound pressure levels are maintained throughout the building.
- 13.3.32 Evacuation speakers shall be rated at 6W RMS with tapings to allow for final audible calibrations and adjustment on site. The tapings shall be 1,5Watts, 3 Watts and 6 Watts.
- 13.3.33 Ceiling speakers shall comply with BS/EN 60849 type evacuation speakers. The speakers shall be protected by thermal fuse, porcelain connection block, internal fire retardant cabling and metal back can.
- 13.3.34 Loudspeakers for use in plant rooms, basement and service areas shall be of the horn type. The sound pressure level is to be equal or exceed 110dBA at 1W/1m.
- 13.3.35 The loudspeaker wiring circuits shall be monitored individually (every 100 seconds) to display faults centrally, both visually and audibly. This is to indicate open and short circuit, as well as earth leakage conditions on the speaker lines.
- 13.3.36 All rack mounting components shall be housed in suitable 19" racks, designed to accommodate the system. The racks shall be supplied in a multi-bay assembly format.
- 13.3.37 The racks shall have fully enclosed rear and front-hinged lockable doors to prevent tampering with level controls and unit inter-wiring. The racks shall have cable entry at the top of the cabinet to enable cable access from the cable trays above. Side panels shall be removable to aid servicing and in multi-bay assemblies shall only be fitted to each end.
- 13.2.38 All necessary components for mains power distribution, cooling, support rails, blank panels, termination panels and unit inter-wiring looms shall be provided as necessary to ensure the complete and orderly housing of all the specified systems.
- 13.2.39 The central equipment shall operate from dedicated 15A, 240 V, $\pm 10\%$, 50 Hz power supply. Any mains supply conditioning equipment required for the efficient and reliable operation of the system shall be included in the Price List. The onus shall be on the contractor to ensure that adequate capacity shall be available.
- 13.3.40 All equipment supplied shall meet the technical requirements as specified.
- 13.3.41 Only genuine certified spares and accessories will be considered – no non genuine products will be given any consideration.
- 13.3.42 Backup batteries 12V-7AH shall be installed on all modules.
- 13.3.43 Fire escape doors that have controlled exit i.e. card readers as stipulated by the City's Representative shall be fitted with a resetable green break glass unit for emergency exit.
- 13.3.44 When the unit is activated, an audible alarm shall be sounded. The green call point shall be resetable with a key and not a break glass. If the unit is activated, a 15 W sounder shall be activated until the unit is reset. The sound pressure level of the sounder bomb shall be greater than 100 dBA.
- 13.3.45 Should a 19" cabinet be required for a particular project the contractor will be required to provide a suitable cabinet sized for the equipment to be accommodated in it.
- 13.3.44 Any electrical reticulation shall be undertaken by qualified electrical contractors and all work shall be certified in terms of the building regulations.

13.3.45 3 I/O PLUS Modules or equivalent shall be fully monitored loop powered devices which permit the interfacing of third party equipment with the Fire Alarm Control panel using normally open dry contact connections. Each module shall be fitted with a maximum of 3 inputs and 3 outputs. The connection to each input shall be monitored for fault (open or short-circuit) and Alarm conditions. Module shall be provided with a loop short-circuit isolator and with up to 3 voltage free single pole change over relay outputs. The output relays shall be powered directly from the detection loop. It is not required to use an external 24V DC power supply. Relay operation shall be confirmed by an onboard red LED. An 8 way Dual Inline Package [DIP] switch shall be provided to configure the module's address. This value shall be set in the range 1 to 125. The following programmable functions shall be available: Input Activation Mode, Delayed Input Alarm Activation, Output Delayed Activation. The module features shall include quick activation response, be loop powered, have status LEDs for each Input and Output, with efficient power consumption and integral short-circuit loop isolator.

The I/O Plus or equivalent Modules shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered - 17V to 30V DC
Loop Current – Quiescent (Iq)	1.4mA (1 ch.) - 1.5mA (2 ch.) - 1.6mA (3 ch.)
Loop Current – Alarm	Iq+ 1.2mA for each Input in alarm
Loop Current – Short- Circuit	Iq+ 1.4mA max.
Loop Current - Open Circuit	Iq+ 1.0mA max.
Loop Current – Output	Iq+ 1.1mA for each Output activated
Output Relay Contact Rating	2A 30VDC / 0.5A 125VAC
Maximum Cable size	2.5mm ²
Case Material	ABS
Operating Temperature	-10°C to 50°C
Humidity	95% RH Non-Condensing

13.3.46 4 and 8 Input Addressable Modules shall be fully monitored devices and shall permit the interfacing of third party equipment with the Fire Alarm Control panel using normally open dry contact connections. The connection to each input shall be monitored for fault (open or short-circuit) and Alarm conditions. The interface shall be used to monitor the contacts of an external system which shall be interfaced to the Fire Alarm, for example a Flow Switch in a sprinkler system to indicate if the sprinklers have been activated, or extinguishant level monitoring in Gas Extinguishing Systems etc. A 4 way DIP. switch shall be provided to configure the module's address. This value shall be set in the range 1 to 125. The module features include quick activation response, be loop powered, have status LEDs for each Input and Output with efficient power consumption.

The 4 and 8 input Addressable Modules shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered - 17V to 30V DC
Loop Current – Quiescent (Iq)	4 Input 2.6mA - 8 Input 3.2mA
Loop Current – Alarm	Iq+ 0.9mA for each Input in alarm
Loop Current – Short- Circuit	Iq+ 0.9mA for each Input in short-circuit
Loop Current - Open Circuit	Iq+ 0.5mA for each Input in open circuit
Output Relay Contact Rating	2A 30VDC / 0.5A 125VAC
Loop Current – Output	Iq+ 1.1mA for each Output activated
Maximum Cable size	2.5mm ²
Case Material	ABS
Operating Temperature	-10°C to 50°C
Humidity	95% RH Non-Condensing

- 13.3.47 Standalone Loop Isolator shall be a negative switching loop isolator, designed to isolate short circuits on the addressable detection loop of a Global Fire Quipment Juno-Net or Junior or equivalent control panel and shall have the capability for upto 32 detection devices to be connected between two isolators according to EN54. It shall have LEDs to provide “Loop in” and “Loop out” identification.

The Standalone Loop Isolators shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered - 17V to 30V DC
Loop Current – Quiescent (Iq)	0.25mA @ 28 VDC nominal
Loop Current – Isolated LED On	6.2mA @ 28 VDC nominal
Maximum Series Impedance (Zcmax)	28Mohm
Max Rated Switching Current	1A
Maximum Cable size	2.5mm ²
Case Material	ABS
Operating Temperature	-10°C to 50°C
Humidity	95% RH Non-Condensing

- 13.3.48 Addressable Magnetic Door Holder units shall have loop powered addressable magnetic door releases and shall be directly powered from the loop. Activation of the unit shall be achieved using cause and effect programming as used for I/O units. If power is removed or communication with the panel is lost, the unit shall automatically release after a maximum of 20 seconds. A built-in loop isolator shall be provided. When a short condition exists in either side of the loop connections, a coloured LED shall be turned ON. It shall be reset after the fault condition is removed. The module shall be fitted with 3 status LEDs. The first status LED shall flash when the device is polled by the addressable panel. The second LED shall be activated when the door release has been activated. This LED shall switch off after panel power up or reset. The third LED will indicate a fault in the module. The module can be activated through programming of the panel and the unit is assigned to a specific device or zone. Upto 20 units can be fitted on a particular loop.

The Addressable Magnetic Door Holder units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered - 17V to 30V DC
Minimum Address Range	125
Loop Current – Quiescent / Charging	800µA (650µA module + 150µA isolator) / 7mA
Isolator – Loop line resistance	60MOhms
Charge up time / Fail safe release time	25s / 20s
Manual Release	Push Button – Normally Open
Maximum Cable Size	2.5mm ²
Operating Temperature	0°C to 50°C
Humidity	95% RH Non-Condensing
Magnet Holding Force	400N

- 13.3.49 Addressable Manual Call Points shall comply with EN54-11 and shall be compatible with the Addressable Control panels with typical response times, when in alarm of approximately one second, and shall incorporate a Loop Isolator where required, based on the number of call points connected to the device.

LED pulsing shall be enabled when the unit is polled by the control panel and the Red LED shall be activated when there is an alarm condition at the unit's input. Connection to the input shall be monitored for Fault (open or short circuit) and Alarm conditions.

The individual address, upto 125, of each call point is set via an eight way DIP switch. The trigger element shall be protected from accidental activation by a hinged flap. The unit shall be capable of surface and flush mounting and resettable using the supplied key after activation.

The Addressable Manual Call Points shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered 20-30V DC
Current - Quiescent	500µA - 650µA for GFE-MCPE-AI or equivalent
Current – Device in alarm	3.1mA - Yellow LED ON only applies to GFE-MCPE-AI or equivalent
Maximum Cable Size	2.5mm ²
Max. Recommended per loop	30 GFE-MCPE-A or GFE-MCPE-AI
Material	Flame retardant
Protection	IP24D
Humidity	95% RH Non-Condensing
Operating Temperature	-10°C to 55°C

- 13.3.50 Conventional Flashing Remote Indicator units shall be used with any fire alarm detector to remotely indicate the activation of the detection device and shall have flashing LEDs, with non-polarised connections.

The Conventional Flashing Remote Indicator units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	3.3V to 10V DC
Supply Current	7mA max
Maximum Cable Size	2.5mm ²
Humidity	95% RH Non-Condensing
Operating Temperature	-10°C to 50°C

- 13.3.51 Addressable Input Module units shall be fully monitored and allow interfacing of third party equipment with the Fire Alarm control panel. LED pulsing shall be enabled when the unit is polled by the panel and the Red LED shall be activated when there is an alarm condition at the modules input. Connection to the input shall be monitored for Fault (open or short circuit) and Alarm conditions. The interface is used to monitor the contacts of an external system which must be interfaced to the Fire Alarm System.

The Addressable Input Module units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered - 17V to 30V DC
Loop Current – Quiescent	I/P: OK 0.46mA - FLT OC 0.33mA - FLT SC 0.79 mA
Loop Current – Alarm LED Illuminated	2.0mA
Maximum Cable Size	2.5mm ²
Operating Temperature	-10°C to 50°C
Humidity	95% RH Non-Condensing
Material	ABS

- 13.3.52 Addressable Input/Output Module unit shall be fully monitored and permit the interfacing of third party equipment with the Fire Alarm control panel. The unit shall provide a changeover output relay to control ancillary equipment. The LED shall pulse when the unit is polled by the panel. The LEDs shall be activated when there is a fault condition in the module and the Red LED will be activated when there is an alarm condition at the modules input. The connection to the input shall be monitored for Fault (open or short circuit) and Alarm conditions. The output relay shall be powered from the detection loop. Relay operation is enabled by the input activation. The interface used to monitor the contacts of an external system shall be capable of interfacing to the Fire Alarm System. The output relay shall be programmable to allow functionality such as closing fire doors.

The Addressable Input/Output Module units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered - 17V to 30V DC
Loop Current – Quiescent	I/P: OK 0.46mA - FLT OC 0.33mA - FLT SC 0.79 mA
Loop Current – Alarm LED Illuminated	2mA +9.8mA with Relay Active
Maximum Cable Size	2.5mm ²
Operating Temperature	-10°C to 50°C
Protection	IP43
Humidity	95% RH Non-Condensing
Material	ABS

- 13.3.53 1-channel Mains Input/Output Module units shall be fully monitored loop powered devices which shall permit interfacing of third party equipment with the Fire Alarm Control panel. Connection to the input of the unit shall be monitored for fault (open or short circuit) and Alarm conditions. The interface shall be used to monitor the contacts of an external system which must be interfaced to the Fire Alarm System. The module shall be provided with a loop short-circuit isolator and with a voltage free single pole change over mains rated output. The output relay shall be powered from the detection loop and only on approval of the City's

Representative, when required, will external DC power be used. The unit shall have an 8 way DIP switch to configure the modules address, with value set in the range 1 to 125. Programmable functions required include: Input Activation Mode, Delayed Input Alarm Activation, Output Delayed Activation. The unit shall have fast activation response, be loop powered, possess status LEDs, with low power consumption, possessing an integral short-circuit loop isolator with single mains rated relay contact.

The One Channel Mains Input/Output Module units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered - 17V to 30V DC
Loop Current – Quiescent	1.3mA
Loop Current – Alarm	2.9mA
Loop Current - Fault	2.9mA (SC) – 2.6mA (OC)
Loop Current – Output Active	2.8mA
Output Relay Contact Rating	8A 250VAC/ 30VDC
Maximum Cable Size	2.5mm ²
Material	ABS
Operating Temperature	-10°C to 50°C
Humidity	95% RH Non-Condensing

- 13.3.54 Graphical Supervision and Alarm Management Software shall allow connection of upto 64 Alarm panels to a PC, where each panel shall be displayed and shall be fully controlled remotely from the PC. It shall have password protected programming and when in programming mode allow each panel in the system to be enabled and have capability to import drawings from graphical programmes. Allow graphical addition of detectors and call points via a built-in interface and where device descriptions are obtained from the control panels. When there is a fault or alarm, the location of the incident shall be displayed on the PC screen and the device can be viewed and interrogated and remotely enabled or disabled. It shall keep a log of all events which includes all alarms, fault and programming activities on the system which shall be displayed and when required shall be downloaded or printed. If a second supervision PC is required this shall be connected as a slave via an Ethernet or equivalent IEEE802.3 compliant network to the main computer. Where longer distances are required Fibre Optic cabling shall be used. For remote access TCP/IP communications shall be used. The graphical supervision and alarm management software shall be integrateable and compatible with the existing FMES.

The Graphical Supervision and Alarm Management Software shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Hardware	Processor 2.5Ghzr
Operating System	Windows 10 Professional
Memory	8Gb
Supported Screen Resolution	1920x1080

- 13.3.55 Addressable Sprinkler Switch Module unit shall be fully monitored and permit the interfacing of sprinkler switch systems with the Fire Alarm Control panel using normally open dry contact connections while also providing a changeover output relay. The Sprinkler Switch Module shall have an integrated LEDs which shall be activated whenever the module is disabled or when there is an alarm condition at the modules input. The connection to the input shall be monitored for Fault (open or short circuit) and Alarm conditions. The output relay is powered

from the detection loop and the relay shall be driven by the condition of the input. When the input is in alarm the relay shall be activated otherwise it shall remain deactivated, however, this condition shall only result while the module is not disabled. The sprinkler switch module interface shall be capable of being used to monitor the contacts of an attached external sprinkler system which is attached to the Fire Control panel. This shall provide a means to switch off the alarm condition to the Fire Panel while showing a clear status indication.

The Addressable Sprinkler Switch Module unit shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered - 17V to 30V DC
Loop Current – Quiescent	OK 0.55mA - FLT OC 0.47mA - FLT SC 1.2mA
Loop Current – Alarm LED Illuminated	1.5mA (+ 6mA only during Relay Changeover 20ms pulse)
Maximum Cable Size	2.5mm ²
Operating Temperature	-10°C to 50°C
Protection	IP43
Humidity	95% RH Non-Condensing
Material	ABS

- 13.3.56 The VALKYRIE or equivalent Addressable Beacon shall be a wall mounted beacon. Up to 32 Individual Addressable Beacons shall be capable of being installed per loop, configured with addresses, dependent on the Fire Alarm panel, in the range from 94 through 125, with the addresses set using switches 1 to 5 of the 8 way DIP switch.

Where individual address reporting is not required the unit shall be configured as a Shadow Beacon where sounders do not occupy an address in the loop, releasing addresses for more detection devices. Shadow Beacons draw current from the loop and are to be included in the loop load calculations.

The Addressable Beacons shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	20V to 30V DC
Loop Current – Quiescent	0.5mA
Maximum Loop Current – Alarm Beacon	3mA
Maximum Cable Size	2.5mm ²

Operating Temperature	-10°C to 50°C
Protection	IP44 – Type A - Indoor use
Humidity	95% RH Non-Condensing
Material	ABS

- 13.3.57 The VALKYRIE or equivalent Addressable Wall Mount Sounder/Beacon shall be EN54-3 Type A certified, be a wall mountable sounder/beacon. Upto 32 Individual Addressable beacons shall be capable of being installed per loop and be configured with addresses, dependent on the Fire Alarm panel, in the range from 94 through 125, with addresses set using switches 1 to 5 of the 8 way DIP switch. The unit shall be capable of providing four different tones which are selected using DIP switches 6 and 7.

Where individual address reporting is not required the unit shall be configured as a Shadow Beacon where sounders do not occupy an address in the loop, releasing addresses for more detection devices. Shadow beacons draw current from the loop and are to be included in the loop load calculations.

The Addressable Wall Mount Sounder/Beacon units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	20V to 30V DC
Loop Current – Quiescent	0.5mA
Loop Current – Sounder / Beacon Active	10mA - 280mW @ 28V DC inc. isolator
Maximum Sounder Output	100dBA (@ 1 meter – 30V DC)
Maximum Cable Size	2.5mm ²
Operating Temperature	-10°C to 55°C
Protection	IP21C – Type A – Indoor use
Humidity	95% RH Non-Condensing
Material	ABS

- 13.3.58 The VALKYRIE or equivalent Outdoor Addressable Sounder/Beacon units shall be EN54-3 Type B certified, be wall mountable specifically designed to be used outdoors. Upto 32 Individual Addressable beacons shall be capable of being installed per loop configured with addresses, dependent on the Fire Alarm panel, in the range from 94 through 125, with addresses set using switches 1 to 5 of the 8 way DIP switch. The unit shall be capable of providing four different tones which are selected using DIP switches 6 and 7.

Where individual address reporting is not required the unit shall be configured as a Shadow Beacon where sounders do not occupy an address in the loop, releasing addresses for more detection devices. Shadow beacons draw current from the loop and are to be included in the loop load calculations.

The Outdoor Addressable Sounder/Beacon units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	20V to 30V DC
Loop Current – Quiescent	0.5mA
Loop Current – Sounder / Beacon Active	10mA - 280mW @ 28V DC inc. isolator
Maximum Sounder Output	108dBA (@ 1 meter – 30V DC)

Maximum Cable Size	2.5mm ²
Operating Temperature	-25°C to 70°C
Protection	IP65 – Type B – Outdoor use
Humidity	95% RH Non-Condensing
Material	ABS

- 13.3.59 The VALKYRIE Vox A Addressable Voice Sounder shall be wall mountable. Upto 32 Individual Addressable sounders shall be capable of being installed per loop and configured with addresses, dependent on the Fire Alarm panel, in the range from 94 through 125, with addresses set using switches 1 to 5 of the 8 way DIP switch. The unit shall be capable of being programmed from the Control Panel and capable of broadcasting upto 5 messages including Alert, Fire, Evacuation, Test and Silence Message. The unit shall be loop controlled and loop powered.

Where individual address reporting is not required the unit shall be configured as a Shadow beacon where sounders do not occupy an address in the loop, releasing addresses for more detection devices. . Shadow beacons draw current from the loop and are to be included in the loop load calculations.

The Outdoor Addressable Sounder/Beacon units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	20V to 30V DC
Loop Current	0.7mA (Quiescent) - 7.5mA Max. (Sounder active or charging)
Loop Current – Alarm Beacon	1.4mA
Sounder Output @ 1 Meter	Tone 104dBA – Voice Message 107dBA
Maximum Cable Size	2.5mm ²
Operating Temperature	-10°C to 50°C
Protection	IP21C – Type A – Indoor use
Humidity	95% RH Non-Condensing
Material	ABS

- 13.3.60 The ZA830 or equivalent Addressable Multi-Sensor unit shall be compliant with EN54-5 and EN54-7, providing fast and reliable response to fire conditions, be addressable via a dipswitch at the rear of the detector. The smoke and heat portion of the multi-sensor shall be capable of being disabled at the panel or via the dipswitch. The unit shall be fully compatible with the control panels.

The unit shall have dual LEDS, to indicate status of the device, with fixed and rate of rise heat detection, with dip switch addressing.

The Addressable Multi-Sensor units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered 17-30V DC
Current – Quiescent / Surge	530µA Max.
Current – Device in Alarm	2mA – Alarm LED illuminated
Sensitivity	According to EN54-5 and EN54-7
Maximum Cable Size	2.5mm ²
Maximum Reset / Start-up times	20s
Smoke Sensitivity Settings	Low / Normal (default) / High
Heat Alarm Setpoints	55°C to 65°C (default)/ 75°C / 85°C

Multi-sensor modes	Heat/ Smoke / Combined (default)
Material	ABS
Normal / Transient Operating Temperature	0°C to 50°C / -10°C to 85°C
Humidity	95% RH Non-Condensing

- 13.3.61 The ZA831 or equivalent Addressable Multi-Sensor Sounder unit shall be compliant with EN54-5, EN54-7, EN54-4 and EN54-23, providing fast and reliable response to fire conditions and be addressable via a dipswitch at the rear of the unit. The smoke and heat portion of the multi-sensor sounder unit shall be capable of being disabled at the panel or via the dipswitch. The unit shall be fully compatible with the control panels.

The unit shall have dual LEDS, to indicate status of the device, with fixed and rate of rise heat detection, with dip switch addressing.

The Addressable Multi-Sensor Sounder units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered 17-30V DC
Current – Quiescent / Surge	530µA Max.
Current – Device in Alarm	2mA – Alarm LED illuminated
Current – Detector & Sounder Beacon in Alarm	5mA – Alarm LED illuminated
Sensitivity	According to EN54-5 and EN54-7
Maximum Cable Size	2.5mm ²
Sounder Output	80dBA @ 1 m
Maximum Reset / Start-up times	20s
Smoke Sensitivity Settings	Low / Normal (default) / High
Heat Alarm Setpoints	55°C to 65°C (default)/ 75°C / 85°C
Multi-sensor modes	Heat/ Smoke / Combined (default)
Material	ABS
Normal / Transient Operating Temperature	0°C to 50°C / -10°C to 85°C
Humidity	95% RH Non-Condensing

- 13.3.62 The Addressable Zone Monitoring unit is a fully monitored interface module, which shall be used to connect current limited conventional detectors to the Fire Control panel via the detection loop. The detectors are then viewed as one address at the addressable control panel. The unit shall be capable of being powered from the loop or an external power supply and the detector line shall be monitored. The unit shall have LED status indicators showing the operational status of the module.

The Addressable Zone Monitoring units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Supply Voltage	Loop Powered - 20V to 30V DC
Current – Quiescent / Surge	1.8mA (Quiescent) - 3.2mA (Zone OC) 25mA (FIRE) - 38mA (Zone Short-Circuit)
Loop Current – External Supply	0.5mA
Current – External Supply	4.5mA (Quiescent) - 4.5mA (Zone OC) @ 28V DC nominal 29mA (FIRE) - 44mA (Zone Short-Circuit) @ 28V DC nominal
Maximum Conventional Devices per Zone	32
Maximum No. of Modules per Loop	20
Maximum Cable Size	2.5 mm ²

Operating Temperature	-10°C to 50°C
Material	ABS
Humidity	95% RH Non-Condensing

- 13.3.63 Network Analogue Addressable Control Panel units shall have from 1 to 4 addressable loops, be capable of being networked using the chameleon network protocol or equivalent, with upto 32 panels in a single system. The unit shall have a graphical backlit display with pictorial and customizable elements. Shall be able to communicate with graphical interface and third party Building Management Systems through a Modbus or equivalent protocol. Be capable of communicating with a Repeater unit using any of the networking interfaces of the chameleon or equivalent protocol. The unit shall have USB connection, built-in fire and fault relays, built-in programmable inputs, switched auxiliary supply output, with loop capacity of 125 detectors/callpoints/modules and upto 96 sounders. There shall be a PC Graphics data output, customizable delay options, logic functions between zones and devices, 1024 programmable zones, 1024 programmable IO groups, 1024 programmable sounder groups, event log with 10000 entries and can be surface or recess mounted.

The Network Analogue Addressable Control Panel units shall meet or exceed the following minimum functional and technical requirements as specified below

Technical Specifications	
Description	Specified Requirements.
Maximum Nominal Primary Supply	2.3A @ 28.5V DC
Power Supply Rating	65W
Secondary Supply	21.0 Min. - 27.2 Max.V DC -BAT charger o/p 28V DC
Batteries (Internal)	2 x 12V 7AH
Quiescent Current (4 Loops No Devices)	65mA
Aux Power Output	28 V DC 300 mA
Loops (Maximum 150mA per loop)	4 loops
Conventional Sounder Circuits	2 - 500 mA Max. current drive per circuit - Fully monitored
Aux Relays Fire	2 rated 2A @ 30 V DC resistive / 0.5A @ 120 V AC resistive
Aux Relay Fault	1 rated 2A @ 30 V DC resistive / 0.5A @ 120 V AC resistive
Operating Temperature	-10°C to 50°C
Storage Temperature	-10°C to 50°C
Humidity	Max 95% RH Non-Condensing
Protection	Surface Mount: IP30, Recessed Mount: IP65

13.4 White Noise System

The White Noise Small Control Module shall be for small single zone spaces upto 1100 m² and shall have 1 zone, with upto 120 emitters, 1 audio input for paging or music, contact closure shutoff with software panel lock and be surface mountable. The White Noise Small Control Module shall be QT 100 control module or equivalent and compatible.

Technical Specifications	
Description	Specified Requirements
Maximum total power consumption	7W
Auxiliary audio inputs:	5000 Ohms, dry line-level input (+4dBu max)
Power Supply Operating Voltage	Input: 100 – 240VAC @ .6A – Output:24VDC @ 1Amp
FCC Part 15, RoHS Compliant:	Yes

- 13.4.2 The White Noise Medium Control Module shall be for medium sized zone spaces upto 3500 m² and shall have upto 3 zones, with upto 120 emitters per zone, 2 audio inputs for paging and music, have a front panel LCD, contact closure shutoff with software panel lock and be wall mountable. The Medium Control Panel shall have time-of-day scheduling, adjustable equalizer for masking and audio inputs, built-in clock with battery backup, including brackets with Ethernet or equivalent IEEE802.3 compatible port and be capable of third party (API/Ethernet or equivalent IEEE802.3 compatible), web interface control. The White Noise Medium Control Module shall be the Qt 300 control module or equivalent and compatible.

Technical Specifications	
Description	Specified Requirements
Maximum total power consumption	15W
Auxiliary audio inputs:	5000 Ohms, dry line-level input (+4 dBu max)
Power Supply Operating Voltage	Input: 100 – 240VAC @ .9A – Output:24VDC @ 1.5A
FCC Part 15, RoHS Compliant:	Yes

- 13.4.3 The White Noise Large Control Module shall be for large multi-zone sized zone spaces upto 7000 m² and shall have upto 6 zones, with upto 120 emitters per zone, 2 audio inputs for paging and music, have a front panel LCD, contact closure shutoff with software panel lock and be wall mountable. The Large Control Module shall have time-of-day scheduling, adjustable equalizer for masking and audio inputs, built-in clock with battery backup, include brackets with Ethernet or equivalent IEEE802.3 compatible port and be capable of third party (API/Ethernet or equivalent IEEE802.3 compatible), web interface control. The White Noise Large Control Module shall be the Qt 600 control module or equivalent and compatible.

Technical Specifications	
Description	Specified Requirements
Maximum total power consumption	27W
Auxiliary audio inputs:	5000 Ohms, dry line-level input (+4 dBu max)
Power Supply Operating Voltage	Input: 100 – 240VAC @ .9A – Output:24VDC @ 1.5A
FCC Part 15, RoHS Compliant	Yes

- 13.4.4 White Noise Room control shall allow users to adjust the sound masking level for an individual room or space and comprise centerplate, faceplate and knob. The Room control shall have at least 6 separate volume settings from -10.0 dB to 0.0 dB and contain a bottom level setting installer, selectable between mute and -10.0 dB. The Room control shall control upto 8 Emitters and 14 Active Emitters. It shall be mountable in a standard electrical box and include open back low voltage brackets. The Room control shall be the Qt Room Control or equivalent and compatible.

Technical Specifications	
Description	Specified Requirements
External Power Required	No
Input/Output Wire Specifications	CAT 3, 5, 6

- 13.4.5 A Command Center platform shall allow for the administration, management, and adjustment of multiple control modules across an enterprise. The platform shall be user friendly and allow accessing control modules on a corporate LAN, discarding the need to access multiple control modules manually. The Command Center ensures optimal system performance remotely and shall be compatible with Windows 10 Professional or newer version.

- 13.4.6 The Networked Sound Masking System shall be PoE (Powered over Ethernet), enable every speaker to be individually configured to receive one or more of eight network audio channels, and the output of one or more of four sound masking generators.
- 13.4.7 The Networked Sound Masking Speaker Controller PoE unit shall be capable of receiving eight network audio channels, shall have eight speaker outputs designed to power network capable speakers, where each speaker output has independent control and access to the eight audio network channels and four internal sound masking generators. The DSP matrix mixer shall allow any combination of channels to be delivered to any speaker.

Technical Specifications	
Description	Specified Requirements
Outputs	8
Minimum Output Impedance	4 Ohms Nominal
Non Coherent Masking Generators – Assignable to any Output Sound Masking Sources	4
User Adjustable Masking Equalization	ISO 1/3 Octave bands from 100Hz to 10kHz
Maximum Power Consumption	12W
Operating Temperature	0°C to 40°C
ETL UL60065 and UL2043 Certified	Yes
LAN connector type	RJ-45
Output	800mW @ 8 Ohm per Output

- 13.4.8 The Plenum and Open Structure Speaker shall have a streamlined appearance, have single point suspension for easy installation, be ETL listed to conform to UL1480 and CSA C22.260065.

Technical Specifications	
Description	Specified Requirements
Sound Masking Frequency Response	100Hz to 8kHz
Sensitivity	92dBA @ 1W
Cabling	0.8mm ² two conductor
Impedance	13 Ohms

- 13.4.9 Networked Sound Masking Software shall facilitate sound masking automation. The software shall provide professional level controls and allow the recalling of previously configured settings and profiles with a single touch. The Software shall allow user defined sound masking schedules to be assigned on a per zone basis. Shall have the capability to adjust every individual speaker independently through volume and channel selection. An optional contact closure module shall provide external triggers for system functions and shall operate on Windows 10 or newer or equivalent operating system.
- 13.4.10 Networked Sound Masking, Paging and Music Processor shall be an eight channel sound masking processor with full networking capability. It shall be capable of being used as the paging and music interface for the networked system or as the masking generator, paging, and music interface.

Technical Specifications	
Description	Specified Requirements
Maximum power consumption	21.5W
Inputs	8 balanced inputs with level controls, equalizers, and compressors.
Sound masking generators	With 1/3 octave band EQ, high and low pass filters.
ETL UL60065 compliant	Yes

- 13.4.11 The Digital masking generator shall have adjustable volume with low pass filter for tuning. The amplifier shall provide power for upto 25 speakers or approximately 557m² or for upto 40 speakers or approximately 929m².

The amplifier shall have selectable 80Hz 2nd-order Hi-pass filter, limiter, and input gain per channel, with remote DC level control per channel with extensive protection circuitry and continuously variable cooling fan.

- 13.4.12 Attenuator shall be capable of eleven-stage attenuation control (from 0 to 10) in 1.5dBA increments. Connections shall be made with pluggable rear mounted connectors.

- 13.4.13 The Masker shall be used to ensure eavesdropping protection of pipes and ducts and resonate the plane of any wall along the perimeter. The Masker shall fill pipes, square ducts and round ducts and walls with sound masking, while not causing pressure to drop or alter when applied to ductwork and have individual level adjustment with durable plenum-rated metal housing.

Technical Specifications	
Description	Specified Requirements
Sound Masking Frequency Response	100Hz – 8kHz
Cabling	0.8mm ² two conductor
Impedance	8 Ohm
Transformer	Primary 70V, Secondary 8 Ohms, switch positions: 1/8, 1/4, 1/2, 1, 2, 4 Watts

- 13.4.14 The window, door and wall maskers shall be used against human and electronic eavesdropping by applying full bandwidth sound masking. The unit shall be attachable to the interior of any window, door or wall surfaces. The unit shall not require a separate transformer and shall accept a mix of sound masking, music and misinformation signals.

Technical Specifications	
Description	Specified Requirements
Sound Masking Frequency Response	100Hz – 8 Hz
Cabling	0.8mm ² two conductor
Impedance	8 Ohm
Transformer	Primary 70V, Secondary 8 Ohms, switch positions: 1/8, 1/4, 1/2, 1, 2, 4 Watts

- 13.4.14 The Emitters shall have wide dispersion direct speakers with 1.25" drivers. The small driver size shall allow approximately 180 degree distribution of direct field sound masking and provide four uncorrelated audio channels to prevent phasing/comb-filtering. The DIP switches shall reduce the volume level upto 9db in 3 db increments for easy microzoning and come with a slip ring for acoustical tile mounting. The Emitters shall be suitable for use in air handling spaces and comply with UL 2043. Emitters shall be Qt Emitters or equivalent compatible.

Technical Specifications	
Description	Specified Requirements
Sound Masking Frequency Response	200Hz - 5kHz
Masking Min – Max SPL:	30dBA – 60dBA @ 1m
Category UTP Cabling (8 conductor:	Yes
Input / Output – RJ45 Modular Jack	Yes
UL 2043 compliant	Yes

- 13.4.15 Emitter mounting accessories required shall include a Universal Bracket for mounting the emitter to a wall or ceiling, which rotates in 45 degree increments for optimal sound dispersion. A drywall conduit for mounting the emitter into hard ceilings in areas requiring conduit mounting shall be provided, as well as a beam bracket for mounting the emitter to exposed i-beams or trusses. The plenum back can shall facilitate mounting the emitter into acoustic ceiling tile in regions with special fire and/ or conduit requirements and drywall for mounting the emitter into drywall ceilings, complete with Emitter caps for masking the Emitters.
- 13.4.16 Active Emitters shall be actively powered and have lower frequency extension down to the 125 Hz octave band for sound masking and 115 Hz for paging and music. The Active E shall be suitable for use in air handling spaces and comply with UL 2043 and shall deliver four uncorrelated audio channels to prevent phasing / comb-filtering, with a slip-ring mount for acoustical tile mounting. The Active Emitter shall have rear DIP switches which reduce volume by upto 4.5 dB in 1.5 dB increments. Active Emitters shall be Qt Active Emitters or equivalent compatible.

Technical Specifications	
Description	Specified Requirements
Masking Frequency Response:	125Hz - 10kHz
Music / Paging Frequency Response:	115Hz – 12kHz (-10dB)
Masking Min – Max SPL:	30dBA – 60dBA @ 1m
Category UTP Cabling (8 conductor)	Yes
Input / Output – RJ45 Modular Jack	Yes
UL 2043 compliant	Yes

13.5 Aspirating Smoke Detection System

Aspirating Systems – Base Units

Aspirating Smoke Detector 1 sampling pipe / Detector, shall be designed for smaller monitoring areas of upto 720m², equipped with a highly sensitive smoke sensor using a single sampling pipe network and shall be capable of accommodating expansion modules.

Technical Specifications	
Description	Specified Requirements
Mains voltage	14 to 30V DC
Ambient temperature	-10°C to + 55°C
Protection class	IP 54
Case Cover	ABS-Blend, UL 94-V0
EN 54-20 Class A, B and C, EN 54-27 compliant	Yes
Maximum sampling pipe length	75m
Monitoring area	720m ²

Aspirating Smoke Detector 1 sampling pipe / Detector, 1 Smoke level display, shall be designed for medium monitoring areas of upto 1280m² and shall be equipped with highly sensitive smoke sensor using a single sampling pipe network, which shall be capable of accommodating expansion modules. The smoke level measured shall be indicated on a bar graph display.

Technical Specifications	
Description	Specified Requirements
Mains voltage	14 to 30V DC
Ambient temperature	-20°C to + 60°C
Protection class	IP 54
Case Cover	ABS-Blend, UL 94-V0
EN 54-20 Class A, B and C, EN 54-27 compliant	Yes
Maximum sampling pipe length	120m
Monitoring area	1280 ²

Aspirating Smoke Detector 2 sampling pipes / Detectors, 2 Smoke level displays, shall be designed for medium monitoring areas of upto 1280 m², equipped with highly sensitive smoke sensor using a single sampling pipe network. The smoke level that is measured shall be indicated on a bar graph display. Capable of accommodating expansion modules.

Technical Specifications	
Description	Specified Requirements
Mains voltage	14 to 30V DC
Ambient temperature	-30°C to + 60°C
Protection class	IP 54
Case Cover	ABS-Blend, UL 94-V0
EN 54-20 Class A, B and C compliant	Yes
Noise level	32dBA
Maximum sampling pipe length	300m
Monitoring area	5760 m ²

13.6 Smoke Sensors

The smoke sensor shall have settable pre-signals which can be set between 10% and 90% of the alarm threshold.

Technical Specifications	
Description	Specified Requirements
Sensitivity alarm	0.02%/m – 10%/m
Sensitivity range pre-signals	0.002%/m – 9%/m
Ambient temperature	-30°C to + 60°C

13.7 Loop I/F module

The loop interface shall bring alarms and faults to the fire alarm panel and allow the resetting of the aspirating smoke detector. The module shall include brackets, screws and ribbon cable.

13.8 Relay I/F module

The Relay I/F module shall have 5 relays with changeover contacts. The relays shall be assignable to aspirating smoke detection triggers or events. The module shall come with mounting mounting brackets, screws and ribbon cable.

13.9 Memory Card Module

The Memory Card module shall allow tracing of upto 16 Million events and be capable of storing analogue values such as airflow and smoke concentration of at least 83 days worth, depending on the stored log interval.

13.10 SD-Card Industrial

The Industrial SD Card shall be at least 4GB (Industrial grade) for use with the aspirating smoke detection sensors.

13.11 Serial Master Module for Networking of Special Fire Detectors

The Serial Master interface shall connect the networked RS485 aspirating smoke detectors to a USB port of a PC. The interface shall be USB powered.

Technical Specifications	
Description	Specified Requirements
Power Supply	USB powered / 5VDC
Operating temperature	-30°C to +60°C

13.12 Planning and Calculation Software

The Planning and Calculation software (Pipeflow or equivalent) shall be capable of planning symmetric and asymmetric sampling pipe topologies.

13.13 Fire Suppression System

13.13.1 The Fire Suppression system shall be an INERGEN or equivalent system.

13.13.2 The system shall be capable of providing the required amount of INERGEN or equivalent to obtain a uniform (minimum) concentration as required and shall take unclosable openings, time required for dampers to close or any other factor affecting concentration into account.

13.13.3 The system shall be automatically activated and provide cross-zoned or counting zone smoke detection. The system shall on activation of the releasing stations release INERGEN or equivalent agent and cause alarms to activate. Abort stations shall be used to interrupt the discharge of INERGEN or equivalent agent and manual releasing station activation shall be capable of cancelling abort stations.

13.13.4 The Operational functionality of the Fire Suppression System for activation of smoke detector in detector zone and completion of the time delay shall be as follows:

- a) Cause an alarm and transmit to remote monitoring or building alarm panel.
- b) Cause alarm siren to sound.
- c) Provide warning indicator (Light on activated detector and control panel).
- d) Initiate a programmable time delay for release.
- e) Abort switch operation.
- f) Cause discharge alarm to sound.
- g) Activate visual alarms at protected area entrance.
- h) Energize actuator for INERGEN or equivalent cylinders releasing gaseous agent into the protected area.
- i) Operate auxiliary contacts for emergency power off.
- j) Energize actuator for appropriate selector valves.

- 13.13.5 The actuator shall possess a brass hexagonal body, brass piston, threaded front section and have wiring extending out the back end. The internal electrically detonator component shall conform to 91/155/EEC and ISO 11014-1.
- 13.13.6 The Solenoid (Ci IS 8B or equivalent) shall activate the (Ci IV8 or equivalent valves), either directly or with the use of either the Ci PA8 or SV SV CiC or equivalent adapters. The solenoid shall utilize neodymium magnets thus reducing the number of moving parts to a minimum. The device shall be available either as a standard solenoid or as a solenoid with built-in manual activator. The device shall feature built-in end of line resistor allowing monitoring of the complete activation circuit. The Solenoid shall possess a built-in current limiter which reduces the power consumption after it has been activated.

13.14 Emergency Lighting System

- 13.14.1 The Emergency Lighting System (Firescape or equivalent) shall be based around an addressable control panel with battery back-up and feature self contained luminaires and signage connected with screened, extra-low voltage cabling, with lighting units fitting onto the standard sensor base.
- 13.14.2 The system shall be based on LED (Light Emitting Diode) solutions and be capable of controlling the condition of LED lights and batteries and providing status information either locally on a keypad or graphically at the control centre.
- 13.14.3 The system shall allow luminaires and emergency exit signs to share the same circuit with luminaire lines capable of upto 127 devices per line.
- 13.14.4 The system's luminaires shall have stand-by batteries with automatic luminaire and LED health testing features.
- 13.14.5 The Addressable Control Panel (EL-2 or equivalent) shall feature 2 lines, each capable of connecting 127 exit signs, route lights or I/O units. The panel shall supply operational voltage to light units under normal conditions, with monitored event information saved in the memory of the control panel.

13.15 REGISTRATION WITH THE FIRE DETECTION INSTALLERS ASSOCIATION (FDIA) AND SOUTH AFRICAN QUALIFICATION AND CERTIFICATION COMMITTEE (SAQCC) FIRE

Tenderer personnel responsible for installing the fire alarm system must be registered with the Fire Detection Installers Association (FDIA) or equivalent recognised professional fire protection authority.

Tenderer personnel responsible for installing and maintaining the system must be registered and certified by SAQCC Fire.

13.16 MINIMUM OPERATING STANDARDS AND PERFORMANCE MANAGEMENT

How work is conducted:

The successful tenderer will be contacted by the relevant CCT official in the event of work required on any CCT owned properties and/or premises. A site meeting will be arranged and conducted and a scope of works (SOW) will be presented to the CCT. Upon acceptance of the SOW by the CCT official, a quotation must be submitted within 3 – 5 days. Only once the official Purchase Order is received may the tenderer begin work on a site with prior arrangement via the related CCT official.

In the event of emergency repairs, the contractor will be contacted by a CCT official to visit the site via an emergency Purchase Order number. An official Purchase Order will be created afterwards for invoicing and payment.

All completed work will be signed off on a handover sheet and submitted to the relevant CCT official for record keeping.

The tenderer must arrange and notify the CCT officials timeously of any required scheduled inspections and/or maintenance in accordance with the related Fire Ordinance regulations. All records of these events must be submitted to the relevant CCT building officials for record keeping.

The tenderer must alert the CCT official timeously of any licence renewals required to keep the system functional.

Regular monthly PLA meetings will be arranged by the tenderer to work through the monthly reports on performance and to discuss any other related issues and topics. Minutes and reports of these meetings will be presented to the CCT.

Performance Level Agreements: Fire Alarm Systems, Equipment and Ancillaries

Nr	Description	Type of support	SLA
1	Ziton Fire Alarm System or equivalent and TOA Audio Evacuation System or equivalent at Cape Town Civic Centre	High level support, 1 st line, 2 nd line and above	Availability (During working and after hours), excluding planned maintenance >95% Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days
2	Ziton Fire Alarm or equivalent and Audio Evacuation Systems at facilities	High level support, 1 st line, 2 nd line and above	Availability (During working and after hours), excluding planned maintenance >95% Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days
3	Fire Suppression Systems	High level support, 1 st line, 2 nd line and above	Availability (During working and after hours), excluding planned maintenance >95% Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days
4	Emergency Lighting	High level support, 1 st line, 2 nd line and above	Availability (During working and after hours), excluding planned maintenance >95% Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days
5	White Noise	High level	Availability (During working and after hours), excluding planned

	System	support, 1 st line, 2 nd line and above	maintenance >95% Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days
8	Aspirating Smoke Detection System	High level support, 1 st line, 2 nd line and above	Availability (During working and after hours), excluding planned maintenance >95% Severity 1 = 4 Hours to site 24/7/365, Restore within 8 hours Severity 2 = Next day to site 24/7/365, Restore within 8 hours Severity 3 = Next working day, Restore within 1 day Severity 4 = Restore within 5 working days

Fault Severity Classification: Fire Alarm Systems

Description	Classification
More than 20% of detectors and speakers affected. More than 20% of panels not responding Failure of database servers A critical priority failure at a site	Severity 1
A medium priority failure at a site Failure of one panel or amplifier Less than 20% of detectors and speakers affected Failure of communications links	Severity 2
A low priority failure at site	Severity 3
This is defines as assistance with routine or planned maintenance or upgrades or a request for undertaking procedural work such as reports or reconfiguring system components or assistance with parameters or settings	Severity 4

**Note: The overall system performance classification will override any other individual classification.
The city may elevate the severity of a specific site with mutual agreement for special events**

Performance Level Agreement: Priority Classification for Sites

<u>Item No</u>	<u>Description</u>	<u>Severity Classification</u>	<u>Fire</u>	<u>PA</u>	<u>Gas Suppression</u>	<u>White Noise</u>	<u>Emergency Lighting</u>
1	44 Whale Street Fire & Evac	Critical	X				
2	Adriaanse Housing Offices	Critical	X				
3	Albow Gardens Clinic	Critical	X				
4	Alphen Center Fire Detection Servicing	Critical	X				
5	Athlone Scientific Services	Critical	X	X			
6	Athlone Stadium	Critical	X	X			X
7	Athlone WWTW	Critical	X				
8	Atlantis Westfleur WWTW	Critical	X	X			
9	Bellville Library	Medium		X			
10	Bellville Municipal Building	Critical	X	X			
11	Bellville South Civic Center-Fire Alarm System	Critical	X				
12	Bellville Veleldrome	Critical	X				
13	Bellville Library	Critical	X				

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Item No	Description	Severity Classification	Fire	PA	Gas Suppression	White Noise	Emergency Lighting
14	Blouberg Strand Community Hall	Critical	X				
15	Bothasig Clinic	Medium		X			
16	Brackenfell Municipal Building	Medium		X			
17	Brooklands Water Scheme	Critical	X				
18	Brooklyn Chest Hospital	Critical	X				
19	Cape Flats WWTW	Critical	X				
20	Cape Town Civic Centre	Critical	X	X	X	X	
21	Cathkin Community Centre	Critical	X				
22	Central Library	Critical	X				
23	City Hall	Critical	X				
24	Crossroads Clinic PA	Medium		X			
25	Durbanville Municipal Offices	Critical	X	X			
26	EAM Depot Sacks Circle Fire Detection	Critical	X	X			
27	Eastridge Clinic	Medium		X			
28	Elsies River Civic Community Facility	Critical	X				
29	Faure WWTW	Critical	X				
30	Firlands Pumpstation	Critical	X				
31	Fish Hoek Civic	Critical	X				
32	Fish Hoek Sub Council - Fire Detection Service	Critical	X				
33	Goodwood Municipal Building Fire & Evac	Critical	X	X			
34	Gugu S'Theba	Critical	X	X			
35	Hanover Park Housing Depot	Critical	X				
36	Hanover Park Pools	Medium		X			
37	Hardekraaltjie Gas	Critical	X				
38	Hartleyvale Stadium	Critical	X				
39	Heideveld Roads	Medium		X			
40	Hillstar Mechanical Workshop	Medium		X			
41	Hillstar Solid Waste	Critical	X	X			
42	Hillstar Stores	Medium		X			
43	Hillstar TCT Roads	Medium		X			
44	Hillstar Water & Sanitation	Medium		X			
45	Hout Bay Civic	Critical	X				
46	Kloofnek PA System	Medium		X			
47	Kraaifontein Civic Centre	Medium		X			
48	Kraaifontein Solid Waste Man.Fac.	Critical	X	X			
49	Kraaifontein Water Treatment Plant	Critical	X				
50	Kuilsriver Municipal Building	Critical	X	X			
51	Kuyasa Library	Critical	X				
52	Langa Community Hall	Critical	X				
53	Langa Indoor Club	Critical	X				
54	Langa Indoor Complex	Critical	X				
55	Langa Museum Old Post Office	Critical	X				
56	Langa Old Pass Office	Critical	X				
57	Lentegeur Civic Centre	Critical	X	X			
58	Lentegeur Municipal Court	Critical	X				
59	Liebrandt Community Hall	Critical	X				
60	Lotus River Chambers	Medium		X			
61	Manenberg Clinic	Medium		X			
62	Manenberg Housing	Critical	X				

Item No	Description	Severity Classification	Fire	PA	Gas Suppression	White Noise	Emergency Lighting
63	Melbosstrand WWTW - Fire Detection	Medium	X				
64	Melton Rose Place Housing Offices	Critical	X				
65	Mfuleni Fire Station	Medium		X			
66	Mitchells Plain Housing	Medium	X				
67	Monwabisi Indoor Complex	Medium		X			
68	Monwabisi Recreation Centre	Critical	X				
69	Mowbray ERF 29454	Critical	X				
70	Mowbray Library	Critical	X				
71	Mzamomhle Clinic	Medium		X			
72	Newlands Pools	Medium		X			
73	Nolungile Clinic	Medium		X			
74	Nyanga Municipal Building	Critical	X	X			
75	Old Age Home - Mandolin Square	Critical	X				
76	Old Age Home - Morea	Critical	X				
77	Old Age Home - Matroosfontein	Critical	X				
78	Old Age Home - Rusoordt	Critical	X				
79	Old Age Home - Apricot Cottages	Critical	X				
80	Old Age Home - Rainbow Lane Cottages	Critical	X				
81	Old Age Home - Ryburg Terrace Complex	Critical	X				
82	Old Age Home - Rusoord	Critical	X				
83	Old Age Home - Parow Park	Critical	X				
84	Old Age Home - Salberau	Critical	X				
85	Old Oak Bowling Club	Critical	X				
86	OminiForum Building	Critical	X	X			
87	Ottery Recreation Centre	Critical	X				
88	Housing Maintenance 27 Oude Molen Road	Critical	X				
89	Parkwood Recreation Centre	Critical	X				
90	Parow DLTC	Critical	X				
91	Phumlani Clinic	Medium		X			
92	Pienaar Road	Critical	X	X			
93	Plumbstead Municipal Building	Critical	X	X			
94	Proteaville Recreation Centre	Critical	X				
95	Ravensmead Clinic	Medium		X			
96	Reed Street Traffic	Critical	X	X			
97	Retreat Civic	Critical	X				
98	Royal Ascot Municipal	Critical	X	X			
99	Schaapkraal Water Depot	Critical	X	X			
100	Scottsdene Housing - Housing Offices	Critical	X				
101	Scottsdene WWTP_MCC Fire Detection	Critical	X				
102	Seawinds Clinic	Critical	X				
103	Simonstown Library	Critical	X				
104	Site B Municipal Building	Critical	X	X			
105	Somerset West Municipal Building	Critical	X	X			
106	Stocks & Stocks	Critical	X	X			
107	Strand Concourse Cape Town	Critical	X	X			
108	Strand Municipal Building	Critical	X	X			
109	Subcouncil Chambers - Subcouncil 18	Medium		X			
110	Swimming Pool - Browns Farm	Medium		X			
111	Swimming Pool - Langa	Medium		X			
112	Swimming Pool - Nyanga	Medium		X			

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Item No	Description	Severity Classification	Fire	PA	Gas Suppression	White Noise	Emergency Lighting
113	Swimming Pool - Sea Point	Medium		X			
114	TMC Building Phase 1 & 2	Critical	X	X	X		
115	Tokai Library	Critical	X				
116	Vanguard Hall	Critical	X				
117	Voelvlei WWTW	Critical	X				
118	Wale StreetComplex	Critical	X	X			
119	Wallacedene Clinic	Medium		X			
120	Wemmershoek Water Scheme	Critical	X				
121	Wesflour WWTW	Critical	X	X			
122	Wildevle Treatment Plant	Critical	X				
123	Wittebome Civic	Critical	X				
124	Observatory Pools	Medium		X			
125	The Downs Community Centre	Critical	X				
126	Sherwood Park Community Centre	Critical	X				
127	Druivewlei Community Centre	Critical	X				
128	Blomvlei Community Centre	Critical	X				
129	Muizenberg Community Centre	Critical	X				
130	Old Age Home - Sizamele	Critical	X				
131	Morning Star Community Centre	Critical	X				
132	Edgemoor Community Centre	Critical	X				
133	Rochester Road - Metro Police	Critical	X				
134	Athlone Power Station	Critical	X				
135	Atlantis Dassenberg Sub Station	Critical	X				
136	Atlantis Depot Sub Station 4	Critical	X				
137	Atlantis Electricity Depot	Critical	X				
138	Atlantis Electricity Stores	Critical	X				
139	Atlantis Gardenia Sub Station	Critical	X				
140	Atlantis Grosvenor Sub Station	Critical	X				
141	Atlantis John Dreyer Sub Station	Critical	X				
142	Atlantis Sampson Sub Station	Critical	X				
143	Atlantic William Gourley Sub Station	Critical	X				
144	Bloemhof B Block	Critical	X				
145	Bloemhof F Block	Critical	X				
146	Bloemhof First Line Response	Critical	X				
147	Bloemhof H Block	Critical	X				
148	Bloemhof D Block	Critical	X				
149	Eversdal Sub Station	Critical	X				
150	Loch Road Sub Station	Critical	X				
151	Mfuleni Electricity Office	Critical	X				
152	Mowbray Depot	Critical	X				
153	Muzenberg Depot	Critical	X				
154	Ndabeni Fleet	Critical	X				
155	Ndabeni ESS	Critical	X				
156	Ndabeni Public Lighting	Critical	X				
157	Newlands SCADA	Critical	X				
158	Parow South Sub Station	Critical	X				
159	PTM Building	Critical	X				
160	Roggebaai Power Station	Critical	X				
161	Rosmead HV Cables	Critical	X				
162	Steenbras Power Station	Critical	X				

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<u>Item No</u>	<u>Description</u>	<u>Severity Classification</u>	<u>Fire</u>	<u>PA</u>	<u>Gas Suppression</u>	<u>White Noise</u>	<u>Emergency Lighting</u>
163	Strand Sub Station	Critical	X				
164	Wynberg Depot	Critical	X				
165	Molteno Road	Critical	X				
166	Somerset West Depot	Critical	X				
167	Ndabeni Old Buyers Office	Critical	X				
168	City Bloemhof Substation	Critical	X				
169	Hudson Street Substation	Critical	X				
170	Gugulethu Electricity Depot	Critical	X				
171	THUSONG FIRE DETECTION ATLANTIS	Critical	X				
172	STRAND SAPS FIRE DETECTION	Critical	X				
173	Strand Magistrate Court	Critical	X	X			
174	NYANGA HOME AFFAIRS FIRE DETECTION	Critical	X				
175	NYANGA SAPS FIRE DETECTION SYSTEM	Critical	X				
176	Milnerton Community Centre Hall - Fire Detection System	Critical	X				
177	MFULENI SATELLITE SAPS FIRE DETECTION SYSTEM	Critical	X				
178	MAITLAND TOWNHALL FIRE DETECTION	Critical	X				
179	LWANDLE SAPS FIRE DETECTION	Critical	X				
180	Hartleyvale Stadium Fire Detection	Critical	X				
181	Athlone Stadium Fire	Critical	X	X			
182	Steenbras WWTP_Evac System	Medium		X			
183	Pinelands Townhall Fire Detection	Critical	X				
184	Kensington Civic Centre Fire Detection	Critical	X				
185	Factreton Civic Hall_Fire Detection	Critical	X				
186	Athlone WWTW Fire Detection	Critical	X				
187	Mitchells Plain WWTW	Critical	X				
188	Cape Flats WWTW	Critical	X				
189	Scottsdene WWTW	Critical	X				
190	Pelican Park Clinic	Critical	X	X			
191	Khayelitsha Resource Centre	Critical	X				
192	E.A.M. Killarney Depot	Critical	X				
193	Milnerton Community Center	Critical	X				
194	Westfleur WWTW	Critical	X	X			
195	Ficus Building Fire Detection	Critical	X				
196	Mfuleni Municipal Evacuation System	Medium		X			
197	Durbanville Civic	Critical	X	X			
198	Vanguard Hall	Critical	X				
199	Goodwood Municipality	Critical	X	X			
200	Melton Rose Place Housing Offices	Critical	X				
201	Mitchells Plain Housing Office	Critical	X				
202	Adriaanse Housing Office	Critical	X				
203	Scottsdene Housing Office	Critical	X				
204	Simonstown WWTP Fire Detection	Critical	X				
205	OR Tambo Hall_Fire Detection	Critical	X	X			
206	Mowbray ERF Electricity Depot	Critical	X				
207	Fazeka Municipal	Critical	X				
208	Pinelands Depot_Evacuation System	Medium		X			
209	Schaapkraal Depot	Critical	X	X			

Item No	Description	Severity Classification	Fire	PA	Gas Suppression	White Noise	Emergency Lighting
210	50 Wale Street Evacuation System	Medium		X			
211	OR Tambo Hall PA System repairs	Medium		X			
212	Repair Fire Alarm Mamre Main Hall	Critical	X				
213	Atlantis Multi Purpose Centre_Fire Det.System	Critical	X				
214	Repair Fire Alarm Mamre Recreation Centre	Critical	X				
215	Ext 12 Hall	Critical	X				
216	Robinvale Hall	Critical	X				
217	Avondale Hall	Critical	X				
218	Saxonsea Hall	Critical	X				
219	Rebecca Hall	Critical	X				
220	Blackheath Hall Fire Detection_2	Critical	X				
221	Kleinvlei Hall Fire Detection_2	Critical	X				
222	Eersterivier MCP Fire Detection_2	Critical	X				
223	Room 129_Supply & Install Inergen Gas + Conventional Fire Panel	Medium			X		
224	Battery Room_Supply & Install Inergen Gas	Medium			X		
225	LV Room_Supply & Install Inergen Gas	Medium			X		
226	Server Room 2_Supply & Install Inergen Gas	Medium			X		
227	UPS Room_Supply & Install Inergen Gas	Medium			X		
228	Server Room 3_Supply & Install Inergen Gas	Medium			X		
229	Server Room 1_Supply & Install Inergen Gas	Medium			X		
230	Hartleyvale Stadium Evacuation System	Medium		X			
231	Kraaifontein Municipal Building	Critical	X				
232	Hudson Steet	Critical	X				
233	Steenbras WWTP	Medium		X			
234	Macassar WWTP	Critical	X				
235	Blackheath WWTP_Fire Detection_ Job 14490	Critical	X				
236	Gordons bay Traffic Dept Fire Detection	Critical	X				
237	Lwandle Municipal Building Fire Detection	Critical	X				
238	_KHAYELITSHA FLEET SERVICES WORKSHOP FIRE DETECTION	Critical	X				
239	Khayelitsha Metro Police Fire Detection	Critical	X				

13.17 Definitions

In this section , the terms listed below have the associated meanings:

- (a) **Availability** means that portion of a period of time (typically a Calendar Month) during which a service is provided; a period of time during which a service is unavailable as the result of an Incident is referred to as “Downtime” and so Availability is synonymous with “Uptime”.

$$Availability (\%) = 1 - \left(\frac{\text{Minutes of downtime in the month under review}}{\text{Total minutes in the month under review}} \right) \times 100$$

99% Availability in a Calendar Month of 30 Calendar Days therefore means that downtime (excluding Planned Downtime) may not exceed 432 minutes (roughly seven hours).

- (b) **Business Day** means a Calendar Day which is not a Saturday, Sunday or South African public holiday.
(c) **Business Hours** means the period of time that begins at 08.00.00 and ends at 18.00.00 on any Business Day.

- (d) **Calendar Day** means the period of time that begins at 00.00.00 and ends 23:59:59 on any given day in any given month.
- (e) **Calendar Month** means any one of twelve named periods into which a year is divided in accordance with the Gregorian calendar.
- (f) **Contract Period** means the period of time during which the Tender is effect.
- (g) **Degraded Performance** means the consequence of an Incident that reduces or otherwise negatively affects the functionality of the PSIM and/or the FMES environment.
- (h) **GCC** means General Conditions of Contract.
- (i) **Incident** means any unplanned interruption or reduction in the performance of the PSIM and/or the FMES environment.
- (j) **Infringement** means an instance of non-conformance with a Performance Metric.
- (k) **Non-Compliance Event** means that the Penalty Point Threshold has been exceeded, resulting in a Performance Penalty being imposed.
- (l) **Notification Time** means the point in time when the contractor is notified of the occurrence of an Incident, or security risk / breach.
- (m) **Penalty Points** means the points system used to penalise an Infringement.
- (n) **Penalty Point Threshold** means the number of Penalty Points that must accumulate in a Calendar Month to trigger a Non-Compliance Event.
- (o) **Performance Measure** means the way in which a Capability Requirement is measured.
- (p) **Performance Metric** means a numerical limit for satisfactory performance of a Performance Measure; non-conformance constitutes an Infringement.
- (q) **Performance Penalty** means the incurrence of a financial cost to the Tenderer, imposed as a consequence of a Non-Compliance Event.
- (r) **Planned Downtime** means scheduled unavailability for the purpose of maintenance, upgrades, or other similar necessary tasks.
- (s) **Repair Time** means the point in time when a designated representative of the City of Cape Town accepts a notification that a performance related Incident has been repaired.
- (t) **Resolution Time** means the point in time when a designated representative of the City of Cape Town accepts a notification that a security related Incident has been resolved.
- (u) **Time to Repair** means the maximum number of consecutive Business Hours allowed to elapse for the resolution of an Incident causing PSIM unavailability or Degraded Performance, measured from the Notification Time to the Repair Time.
- (v) **Time to Resolve** means the maximum number of consecutive Business Hours allowed to elapse for the resolution of a security risk or breach, measured from the Notification Time to the Resolution Time.
- (w) **Two Weeks** means a period of fourteen consecutive Calendar Days, starting on the day that the Incident occurs (day 1), and ending at 18.00 on day 14, or the next Business Day if day 14 is not a Business Day.

The performance of the contracted tenderer will be measured by the company's achievement of the City's minimum capability requirements. Additionally, the tenderer will be required to adhere to additional performance requirements below.

13.18 Staff Requirements:

The tenderer must have 3 or more managers with atleast 5 years general management experience in the fire alarm environment

Managers are regarded as a leader of teams of a minimum of 2 or more staff.

Managers are required for at least the following areas of responsibility within the company:

- General Administration
- Finance Administration
- Project Administration

13.19 TRADE NAMES OR PROPRIETARY PRODUCTS

TENDERERS MUST NOTE THAT WHEREVER THIS DOCUMENT REFERS TO ANY PARTICULAR TRADE MARK, NAME, PATENT, DESIGN, TYPE, SPECIFIC ORIGIN OR PRODUCER, SUCH REFERENCE SHALL BE DEEMED TO BE ACCOMPANIED BY THE WORDS 'OR EQUIVALENT'

13.20 EMPLOYMENT OF SECURITY PERSONNEL

All security staff employed by the supplier on behalf of the CCT or at any CCT property must be registered with Private Security Industry Regulatory Authority (PSiRA). Proof of such registration must be made available to the CCT's agent upon request.

13.21 FORMS FOR CONTRACT ADMINISTRATION

The supplier shall complete, sign and submit with each invoice, the following:

- a) Monthly Project Labour Report (**Annexed**).

The Monthly Project Labour Report must include details of all labour (including that of sub-contractors) that are South African citizens earning less than R350.00 per day, as adjusted from time to time (excluding any benefits), who are employed on a temporary or contract basis on this contract in the month in question.

In addition to the Monthly Project Labour Report the Supplier shall simultaneously furnish the CCT's Agent with copies of the employment contracts entered into with such labour, together with certified copies of identification documents, proof of attendance in the form of attendance register or timesheets as well as evidence of payments to such labour in the form of copies of payslips or payroll runs. If the worker is paid in cash or by cheque, this information must be recorded on the envelope and the worker must acknowledge receipt of payment by signing for it and proof of such acknowledgement shall be furnished to the CCT's Agent.

(14) MONTHLY PROJECT LABOUR REPORT (EXAMPLE)**ANNEX 1****CITY OF CAPE TOWN
MONTHLY PROJECT LABOUR REPORT****Instructions for completing and submitting forms**General

- 1 The Monthly Project Labour Reports must be completed in full, using typed, proper case characters; alternatively, should a computer not be available, handwritten in black ink.
- 2 Incomplete / incorrect / illegible forms will not be accepted.
- 3 Any conditions relating to targeted labour stipulated in the Contract (in the case of contracted out services or works) shall apply to the completion and submission of these forms.
- 4 This document is available in Microsoft Excel format upon request from the City's EPWP office, tel 021 400 9406, email EPWPLR@capetown.gov.za.

Project Details

- 5 If a field is not applicable insert the letters: NA
- 6 Only the Project Number supplied by the Corporate EPWP Office must be inserted.
The Project Number can be obtained from the Coordinator or Project Manager or from the e-mail address in point 4 above.
- 7 On completion of the contract or works project the anticipated end date must be updated to reflect the actual end date.

Beneficiary Details and Work Information

- 8 Care must be taken to ensure that beneficiary details correspond accurately with the beneficiary's ID document.

- 9 A new beneficiary is one in respect of which a new employment contract is entered into for the current month. A certified ID copy must accompany this labour report.
 - 10 Was the beneficiary sourced from the City's job seeker database?
 - 11 The contract end date as stated in the beneficiary's employment contract.
 - 12 Where a beneficiary has not worked in a particular month, the absence must be reflected on this form at all for the month in question.
 - 13 Training will be recorded separately from normal working days and must not exceed the maximum of 23 days per month.
 - 14 Workers earning more than the maximum daily rate (currently R400) shall not be reflected on this form at all.
- Submission of Forms
- 15 Signed hardcopy forms must be scanned and submitted to the City of Cape Town in electronic (.pdf) format, together with the completed form in Microsoft Excel format.
 - 16 Scanned copies of all applicable supporting documentation must be submitted with each monthly project labour report. Copies of employment contracts are only required in respect of new beneficiaries.
 - 17 If a computer is not available hardcopy forms and supporting documents must be submitted.

PROJECT DETAILS

Numbers in cells below e.g (6) refer to the relevant instruction above for completing and submitting forms

CONTRACT OR WORKS PROJECT NAME: (6)		EPWP SUPPLIED PROJECT NUMBER: (6)											
DIRECTORATE:		DEPARTMENT:											
CONTRACTOR OR VENDOR NAME:		CONTRACTOR OR VENDOR E-MAIL ADDRESS:											
CONTRACTOR OR VENDOR CONTACT PERSON:		CONTRACTOR OR VENDOR TEL. NUMBER:											
PROJECT LABOUR REPORT CURRENT MONTH (mark with "X")													
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	

ACTUAL START DATE (yyyy/mm/dd)								ANTICIPATED / ACTUAL END DATE (yyyy/mm/dd)							
TOTAL PROJECT EXPENDITURE / VALUE OF WORK DONE TO-DATE (INCLUDING ALL COSTS, BUT EXCLUDING VAT)															
R															

MONTHLY PROJECT LABOUR REPORT



BENEFICIARY DETAILS AND WORK INFORMATION

CONTRACT OR WORKS PROJECT NUMBER:					Year Month		1	
--------------------------------------	--	--	--	--	-----------------	--	---	--

No.	(8) First name	(8) Surname	(8) ID number	(9) New Beneficiary (Y/N)	Gender (M/F)	Disabled (Y/N)	(10) Job seeker database (Y/N)	Contract start date (DDMMYY)	Contract end date (DDMMYY)
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

Declared by Contractor or Vendor to be true and correct:	Name		Signature	
	Date			

Received by Employer's Agent / Representative:	Name		Signature	
	Date			