MBHASHE LOCAL MUNICIPALITY

TENDER DESCRIPTION:

FOR

INSTALLATION AND MAINTENANCE OF FIRE DETECTION SYSTEM FOR A PERIOD OF 3 YEARS IN MBHASHE LOCAL MUNICIPALITY MAIN BUILDING IN DUTYWA

BID NO : MBH/CORP/0016/2024-25 (RE-ADVERT)

NAME OF BIDDER:_____

TENDER RATES : _____

CSD NUMBER_____

BID RE-ADVERTISEMENT

BID NO: MBH/CORP/0016/2024-25

Mbhashe Local Municipality hereby invites service providers to bid for the **INSTALLATION AND MAINTENANCE OF FIRE DETECTION SYSTEM FOR A PERIOD OF 3 YEARS IN MBHASHE LOCAL MUNICIPALITY MAIN BUILDING IN DUTYWA**

Project Name	Bid Number	Closing Date	Enquiries	Availability of tender documents
INSTALLATION AND MAINTENANCE OF FIRE DETECTION SYSTEM FOR A PERIOD OF 3 YEARS IN MBHASHE LOCAL MUNICIPALITY MAIN BUILDING IN DUTYWA	**MBH/CORP/0016/2024-25**	**25 September 2025 not later than 11h00** All completed bids must be in a **sealed envelope marked** "Bid Name, Bid No, Bidder's Name At 454 Streatfield Road in Dutywa During 07h30 to	**Technical related Queries :** **Mr Ntshinga** **066 484 5934** **SCM related Queries : Miss A. Mbebe 072 399 8951** **During 08:00 to 16h30 from Monday to Friday**	**21 August 2025** at Mbhashe Local Municipality Budget and Treasury Cashiers' offices, 454 Streatfield Road, Dutywa upon payment of a non-refundable deposit of **R472.05** per document. Only cash. EFT will be accepted, When paying through EFT please use the name of the company as a reference. The municipality will only be selling the hardcopy documents the electronic documents will be obtainable on the website www.mbhashemun.gov.za at no charge. **ACCOUNT TYPE: PUBLIC SECTOR CHEQUE ACCOUNT ACCOUNT NUMBER:62231175953 FIRST NATIONAL BANK BRANCH CODE: 211121** **+BRANCH NAME: DUTYWA SWIFT CODE: FIRNZAJJH**

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THE ADVERT IS ISSUED IN COMPLIANCE PREFERENTIAL PROCUREMENT REGULATION 2022 (PPR)

Stage 1: Assessment of Administrative Compliance

- Only bidders who are responsive in terms of administrative compliance will be evaluated further to stage

Stage 2: This stage will focus on evaluation of specification and bidders ability to execute the projects:

- Bidder must respond in accordance with all the minimum requirements as detailed in the terms of reference, failure to comply will result in disqualification as point scoring is no longer applicable in the in PPR (Regulations of 2022).

Stage 3: Evaluation will be done based on the 80/20 preferential point system.

- Where 80 points will be allocated for price and 20 for specific goals. Bidders must submit the required documentation to claim preference plan.
- The 80/20 preferential system will be applied, where points 80 points will be allocated for price and 20 for specific goals.

SPECIFIC GOALS

The specific goals allocated points in terms of this tender	**Number of points allocated (80/20 system)** **(To be completed by the tenderer)**	**Required documentation or proof to claim the points.**
Business owned by more than 50% black person. Business owned by less than 50% black person. Bidder will be entitled to claims in of the above.	8 2	An Original certified copy or an original BBBEE status level Certificate or Original certified affidavit in terms of the Amended B-BBBE codes.
Business owned by more than 50% black women. Business owned by less than 50% black women. Bidder will be entitled to claims in of the above.	4 1	Certified ID copy of directors / owner and CSD report
Business owned by more than 50% youth	2	Certified ID copy of directors / owner and CSD report
Business owned by more than 50% disabled person	1	Medical report / Certificate
SMME's	5	Sworn Affidavit issued by the Commissioner of Oath or a certificate from the Verification Agency as means of verification

BIDDERS SHALL TAKE NOTE OF THE FOLLOWING:

- The Validity period of Bids is 90 days from the closing date.
- Bidders to submit a Tax Compliance status document with Pin issued by South African Revenue Services (SARS) or CSD number to verify tax status.
- All mandatory forms should be filled but not all will lead to disqualification or non-responsiveness except for **MBD 4, MBD 8, and MBD 9.**
- Electronic tender documents will also be available on the municipal website **www.mbhashemun.gov.za**
- Bidders must be registered on CSD if the bidder is not registered the bid will be deemed non-responsive.
- Failure to submit JV agreements (where applicable) or Consortium Agreements will lead to a disqualification.
- Latest billing clearance certificate **OR** statement of municipal account not older than three months **OR** a lease agreement of the bidding company must be attached.**,** Cllrs letter will not serve as a billing clearance certificate. **Please note for any address provided as the preferred on CSD and CK there must be a lease agreement or billing rates clearance which will serve as a proof that the company does not owe rates for the**

addresses provided in the CSD and CK. Bidders are advised to ensure that they align the addresses on CSD and CK to the lease agreement and billing clearance attached.

- All other pre-requisites as detailed in the bid documents shall apply.
- All certified documents must not be older than Six (06) months.
- Late, telegraphic, facsimile, incomplete or unsigned bids will not be considered.
- Non-disclosure by the service providers who are in the employ of state may lead to disqualification.
- Completed Bids and supporting documentation, placed in a sealed envelope clearly written on the outside of the envelope with bid details of project must be dropped in the marked tender bid box placed at the reception of the Mbhashe Local Municipality offices at 454 Streatfield Road in Dutywa During 07h30 to 16h30 from Monday to Friday, no later than **Thursday, 25 September 2025 before 11H00 am** on the date as mentioned above. All the received bids will be opened in Public at the same time and date.
- Mbhashe Local Municipality does not bind itself to accept the lowest or any bid and reserves the right not to accept the whole or any part of the bid.
- **The municipality will not be liable for any misplaced or late tender document delivered by Courier Company**.
- Bidders will be adjudicated in accordance with the Municipality's Supply Chain Management Policy and in terms of Preferential Procurement Policy Framework Act new regulations of 2022 and will be based on 80/20 points system.

Issued by

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M. NAKO

MUNICIPAL MANAGER

MBHASHE LOCAL MUNICIPALITY

454 Streatfield Road, P.O Box 25, Dutywa, South Africa, 5000

MBD 1

PART A
INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (*NAME OF MUNICIPALITY/ MUNICIPAL ENTITY***)**					
BID NUMBER:	**BIDNO:MBH/CORP/0016/2024-25**	CLOSING DATE:	**25 September 2025**	CLOSING TIME:	**11:00**
DESCRIPTION	**INSTALLATION AND MAINTENANCE OF FIRE DETECTION SYSTEM FOR A PERIOD OF 3 YEARS IN MBHASHE LOCAL MUNICIPALITY MAIN BUILDING IN DUTYWA**				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (MBD7).					

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

MBHASHE LOCAL MUNICIPALITY
454 STREATFIELD ROAD
DUTYWA
5000

SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
TAX COMPLIANCE STATUS	TCS PIN:		**OR**	CSD No:	

B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE [TICK APPLICABLE BOX]	☐ Yes ☐ No	B-BBEE STATUS LEVEL SWORN AFFIDAVIT	☐ Yes ☐ No
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]			
ARE YOU THE ACCREDITED REPRESENTATIVE *IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?*	☐Yes ☐No [IF YES ENCLOSE PROOF]	***ARE YOU A FOREIGN BASED SUPPLIER FOR*** *THE GOODS /SERVICES /WORKS OFFERED?*	☐ Yes ☐ No [IF YES, ANSWER PART B:3]
TOTAL NUMBER OF ITEMS OFFERED		*TENDER RATES*	**R**
SIGNATURE OF BIDDER	……	*DATE*	
CAPACITY UNDER WHICH THIS BID IS SIGNED	……		

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		**TECHNICAL INFORMATION MAY BE DIRECTED TO:**	
DEPARTMENT	SCM	CONTACT PERSON	Ms N. Turwana
CONTACT PERSON	A. Mbebe	TELEPHONE NUMBER	082 564 8908
TELEPHONE NUMBER	072 399 8951	FACSIMILE NUMBER	
FACSIMILE NUMBER		E-MAIL ADDRESS	ntsingas@mbhashemun.gov.za
E-MAIL ADDRESS	mbebea@mbhashemun.gov.za		

PART B
TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

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

1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR ONLINE**

1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

2. TAX COMPLIANCE REQUIREMENTS

2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.

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

2.3 APPLICATION FOR THE TAX COMPLIANCE STATUS (TCS) CERTIFICATE OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.

2.4 FOREIGN SUPPLIERS MUST COMPLETE THE PRE-AWARD QUESTIONNAIRE IN PART B:3.

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

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

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

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

3.1. IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? ☐ YES ☐ NO

3.2. DOES THE ENTITY HAVE A BRANCH IN THE RSA? ☐ YES ☐ NO

3.3. DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA ☐ YES ☐ NO

3.4. DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA? ☐ YES ☐ NO

3.5. IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION? ☐ YES ☐ NO

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

NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE.

SIGNATURE OF BIDDER: ……

CAPACITY UNDER WHICH THIS BID IS SIGNED: ……

DATE: …….

PAST EXPERIENCE

Bidders must furnish hereunder details of similar works/service, which they have satisfactorily completed in the past. The information shall include a description of the Works, the Contract value and name of Employer.

EMPLOYER	NATURE OF WORK	VALUE OF WORK	DURATION AND COMPLETION DATE	EMPLOYER CONTACT NO.

……. **…….**

DATE **SIGNATURE OF BIDDER**

A. SUPPLY CHAIN MANAGEMENT POLICY PREREQUISITES

The Mbhashe Municipality has identified a general set of prerequisites for procurement. Bids will not be considered should the prerequisites not be met.

1.1 GENERAL PREREQUISITES

Introduction

This Section covers a general set of prerequisites that have been identified for supply chain management by the Mbhashe Municipality. All Bidders must submit the information requested below. Pro-forma data sheets can be found in the Annexure. Bidders will not be considered should the prerequisites not be met.

Criteria

a) Proof of company registration and/or any other form of legal standing must be submitted by all bidders and the company composition form must be completed. See **Annexure "D"**.

b) The Declaration of Interest form must be completed.

c) The bid document must be completed in all respects in black ink.

d) Bids must be submitted on original bid documents.

e) Bid documents must remain intact and no portion may be detached.

Joint Ventures

f) A joint venture that is awarded a contract with Mbhashe Municipality must be registered as a separate company with the Registrar of Businesses.

g) The joint venture must be registered with South African Revenue Services.

h) A separate bank account must be in place for the joint venture.

OFFER ANDSPECIAL CONDITIONS

1. All bids submitted in reply to this invitation to bid should incorporate all the forms, parts, certificates and other documentation forming part of this invitation to bid, duly completed and signed where required (failure to submit complete document will lead to disqualification).
2. In the event that any form or certificate provided in Part 4 of this invitation to bid does not have adequate space for the bidder to provide the requested details, the bidder should attach an annexure to such form or certificate on which the requested details should be provided and the bidder should refer to such annexure in the form or certificate provided.

3. CLOSING TIME OF BIDS AND PROVISIONS RELATING TO SUBMISSION OF BIDS

3.1The closing date and time for the receipt of bids in response to this invitation to bid is detailed on the cover page of this invitation to bid.

3.2 All bids must be submitted in a sealed envelope bearing the bid number, bid description and closing date.

3.4 All bids must be deposited in the bid box before the closing time and date stipulated above, at the address detailed on the cover page of this invitation to bid. 454 Streatfield Street, Dutywa,5000

4. ENQUIRIES

4.1Should any bidder have any enquiries relating to this invitation to bid, such enquiries may only be addressed to the person/s detailed on the cover page to this invitation to bid at the number/s stipulated.

5. PRICING

5.1 The bidder(s) must submit details regarding the bid price for the Services on the Pricing Schedule form/s attached as which completed form/s must be submitted together with the bid documents.

5.2 PRICING MUST BE STIPULATED INCLUSIVE OF VALUE ADDED TAX

5.3 It is an express requirement of this invitation to bid that the bidders provide some transparency in respect to their pricing approach. In this regard, bidders must indicate the basis on which they have calculated their pricing by completing all aspects of the Pricing Schedule form

6**. TAX COMPLIANT**

Mbashe Local Municiaplity will verify bidders Tax Compliant Status on CSD, if the recommended bidder is found to be noncompliant during the time of award, such bidder will be requested to submit written proof from SARS of their tax compliance status or proof that they have made an arrangement to meet their outstanding tax obligation within seven working days. The bidder should thereafter provide the municipality with proof of their tax compliance status which will be verified via the Central Supplier Database (CSD) or e-filing. Should the recommended bidder fail to provide

written proof of their tax compliance status in terms of the paragraph above the intension to award will be cancelled

7. **DECLARATION OF INTEREST** The bidder should submit a duly completed and signed declaration of interest (MBD 4) together with the bid.

8. **DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES** The bidder must complete the declaration and sign accordingly to submit with the bid. The declaration of bidder's past supply chain management practices (MBD 8) is attached.

9.**CERTIFICATE OF INDEPENDENT BID DETERMINATION** The bidder must complete the certificate of independent bid determination and sign accordingly to submit with the bid. The certificate of independent bid determination (MBD 9) is attached.

10.**PARTNERSHIPS AND LEGAL ENTITIES** In the case of the bidder being a partnership all certificates reflecting the names, identity numbers and address of the partners, members or directors (as the case may be) must be submitted with the bid.

11. **CONSORTIUM / JOINT VENTURE**

11.1 It is recognized that bidders may wish to form consortia to provide the Services.

11.2 A bid in response to this invitation to bid by a consortium shall comply with the following requirements:

- 11.2.1 It shall be signed so as to be legally binding on all consortium members;

11.2.2 One of the members shall be nominated by the others as authorized to be the lead member and this authorization shall be included in the agreement entered into between the consortium members.

11.2.3 The lead member shall be the only authorized party to make legal statements, communicate with the municipality and receive instructions for and on behalf of any and all the members of the consortium;

11.2.4 A copy of the agreement entered into by the consortium members shall be submitted with the bid.

11.2.5 The lead member must comply with all the requirements of the bid.

11.2.6 Preference points will be only awarded when a consolidated B-BBEE Certificate is submitted

12. **VALIDITY** Bid documentation submitted by the bidder will be valid and open for acceptance for a period of (90) calendar days from the closing date and time stipulated on the front cover of this invitation to bid.

13. **ACCEPTANCE OF BIDS** The Mbhashe Local document does not bind itself to accept either the lowest or any other bid and reserves the right to accept the bid which it deems to be in the best interest of Mbhashe Local Municipality.

15. NON DISCLOSURE, CONFIDENTIALITY AND SECURITY

15.1 The invitation to bid and its contents are made available on condition that they are used in connection with the bid process set out in the invitation to bid and for no other purpose. All information pertaining to this invitation to bid and its contents shall be regarded as restricted and divulged on a “need to know” basis with the approval of the municipality

16. ACCURACY OF INFORMATION

16.1 The information contained in the invitation to bid has been prepared in good faith. The municipality nor any of their respective directors, advisors, officers, employees, agents, representatives make any representation or warranty or give any undertaking express or implied, or accept any responsibility or liability whatsoever, as to the contents, accuracy or completeness of the information contained in the invitation to bid, or any other written or oral information made available in connection with the bid and nothing contained herein is, or shall be relied upon as a promise or representation, whether as to the past or the future.

17.1.1 This invitation to bid may not contain all the information that may be required to evaluate a possible submission of a response to this invitation to bid. The bidder should conduct its own independent analysis of the operations to the extent required to enable it to respond to this bid.

18. COMPETITION

18.1 Bidders and their respective officers, employees and agents are prohibited from engaging in any collusive action with respect to the bidding process which serves to limit competition amongst bidders.

18.1.1 In general, the attention of bidders is drawn to Section 4(1) (iii) of the Competition Act1998 (Act No. 89 of 1998) (the Competition Act) that prohibits collusive bidding.

18.1.2 If bidders have reason to believe that competition issues may arise from any submission of a response to this bid invitation they are encouraged to discuss their position with the competition authorities before submitting a response.

19. SUPPLIER DUE DILIGENCE

Mbashe Local municiaplity reserves the right to conduct supplier due diligence prior to final award or at any time during the contract period. This may include site visits and requests for additional information.

C. GENERAL CONDITIONS OF BID

1. INTERPRETATION

The word "Bidder" in these conditions shall mean and include any firm of Contractors or any company or body incorporated or unincorporated.

The word "Municipality" in these conditions shall mean the Mbhashe Municipality.

2. EXTENT OF BID

This contract is for – **INSTALLATION AND MAINTENANCE OF FIRE DETECTION SYSTEM FOR A PERIOD OF 3 YEARS IN MBHASHE LOCAL MUNICIPALITY MAIN BUILDING IN DUTYWA**

3. CONTRACT TO BE BINDING

The formal acceptance of this Bid by the Municipality will constitute a contract binding on both parties, and the Municipality may require sureties to its satisfaction from the contractor, for the due fulfilment of this contract.

4. MODE OF BID

All Bids shall be completed and signed: All forms, annexures, addendums and specifications shall be signed and returned with the Bid document as a whole. ***The lowest or any Bid will not necessarily be accepted.***

The Municipality wishes to deal on a prime contractual basis with the successful Bidder being responsible and accountable for all aspects of the entire solution or service offered.

5. QUALITY

Should the specifications and / or descriptions not address any aspects of quality as specified, this should be clarified with the Municipality prior to the submission of a Bid.

6. INSURANCE CLAIMS, ETC.

The Council and Municipality shall not be liable in any manner in respect of any claims, damages, accidents and injuries to persons, property or rights or any other courses of civil or criminal action that may arise from the carrying out of this contract.

The contractor shall insure his / her / their personnel and any plant, machinery or other mechanical or electronic equipment involved in the fulfilment of this contract and shall indemnify the Council and the Municipality against all risks or claims, which may arise.

It will be required from the successful Bidder to submit proof of insurance or any other valid form of indemnification to Council for scrutiny. Failure to do so within 14 (fourteen) days of acceptance of this Bid will be deemed to be a material breach of this contract and will render the contract null and void.

7. SIGNING OF DOCUMENTS

Bidders are required to return the complete set of documents duly signed.

8. PERIOD OF VALIDITY FOR BIDS AND WITHDRAWAL OF BID AFTER CLOSING DATE

All Bids must remain valid for a period of 90 (ninety) days from the closing date as stipulated in the Bid document.

8.1 PENALTY PROVISION

Should the successful Bidder:

[a] Withdraw the Bid during the afore-mentioned period of validity; or

[b] Advise the Municipality of his / her / their inability to fulfil the contract; or

[c] Fail or refuse to fulfil the contract; or

[d] Fail or refuse to sign the agreement or provide any surety if required to do so;

Then, the Bidder will be held responsible for and is obligated to pay to the Municipality:

[a] All expenses incurred by the Municipality to advertise for or invite and deliberate upon new Bids, should this be necessary.

[b] The difference between the original accepted Bid price (inclusive of escalation) and:

[i] A less favourable (for the Municipality) Bid price (inclusive of escalation) accepted as an alternative by the Municipality from the Bids originally submitted; or

[ii] A new Bid price (inclusive of escalation).

9. VALUE ADDED TAX

In calculating the cost of the supply and delivery of services and / or material, the supplier will issue a "Tax Invoice" for all services rendered and / or materials supplied, which will reflect the exclusive cost of such services, goods or materials with the relevant Value Added Tax being added to the total.

VAT must be included in the Bid price, but must be shown separately.

10. PRICE ESCALATION

No claim in respect of any price escalation will be considered by the Municipality unless it is specifically stated in the Pricing Annexure that the Bid is subject to price escalation. When escalation is claimed for during the contract period, proof of such escalation must be furnished and the calculation itself must be submitted to corroborate such proof. Escalation will only be calculated on the official index figures supplied by the Department of Statistics or the Price Controller, which ever may be applicable. All orders placed will be based on the current Bid prices. It is the responsibility of the Bidder to inform Council of any escalation prior to implementation of the escalated price. Failure to do so will negate any such claims to Council.

11. AUTHORITY TO SIGN BID DOCUMENTS

In the case of a Bid being submitted on behalf of a company, close corporation or partnership, evidence must be submitted to the Municipality at the time of submission of the Bid that the Bid has been signed by persons properly authorised thereto by resolution of the directors or under the articles of the entity.

12. DURATION OF THE BID

It is envisaged that the successful Bidder will be appointed during July and will be required to begin work on the assignment immediately upon appointment.

The duration of this Project is a Three (03) year period.

13. DELIVERY PERIODS

Delivery periods, where indicated must be adhered to. Notwithstanding the termination, date of the assignment the bidder will be required to submit progress reports to the Municipality. The contract form, frequency and dates thereof will be stipulated and agreed upon by the parties upon the awarding of the Bid.

14. CLOSING DATE / SUBMITTING OF BIDS

Completed bid documents are to be placed in a sealed envelope endorsed **" INSTALLATION AND MAINTENANCE OF FIRE DETECTION SYSTEM FOR A PERIOD OF 3 YEARS IN MBHASHE LOCAL MUNICIPALITY MAIN BUILDING IN DUTYWA** "Must be deposited in the Bid Box, at the offices of the Mbhashe Local Municipality, 454 STREATFIELD STREET, DUTYWA, NOT LATER THAN **11H00 ON THURSDAY, 25 SEPTEMBER 2025** , AT WHICH TIME THE BIDS WILL BE OPENED IN PUBLIC.

Bids which are not submitted in a properly sealed and marked envelope and/or deposited in the relevant bid box on or before the closing date and time will not be considered. Faxed or e-mailed Bids will not be considered.

16. BID AND PROJECT ENQUIRIES

Please refer all SCM enquiries to **Ms A. Mbebe via e-mail on mbebea@mbhashe.gov.za.** All Project enquiries to **Mr Ntsinga via e-email on** ntshingas@mbhashemun.gov.za

GENERAL CONDITIONS OF CONTRACT

1. Definitions

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 provider, 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 provider under the contract for the full and proper performance of his contractual obligations.

1.4 **"Corrupt practice"** means the offering, giving, receiving, or soliciting of any thing of the 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 where an enterprise abroad is subsidized 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 recognized 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 of 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 consignees 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 provider 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 market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.

1.12 **"Force majeure"** means an event beyond the control of the provider and not involving the provider's fault or negligence and not foreseeable. Such events may include, but is 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 provider 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 provider or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as land 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 organization 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 provider covered under the contract.

1.25 **"Written"** or **"in writing"** means hand-written 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 (excluding professional services related to the building and construction industry), sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise 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 Invitations to bid are usually published in locally distributed news media and in the institution's website.

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 provider 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 provider in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

5.2 The provider 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 provider's performance under the contract if so required by the purchaser.

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

6. Patent rights

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

6.2 When a provider developed documentation/projects for the municipality or municipal entity, the intellectual, copy and patent rights or ownership or such documents or projects will vest in the municipality or municipal entity.

7. Performance security

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

7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the provider's failure to complete his obligations under the contract.

7.3 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 provider not later than thirty (30) days following the date of completion of the provider's performance obligations under the contract, including any warranty obligations, unless otherwise specified.

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 purchaser or an organization acting on behalf of the purchaser.

8.3 If there are no inspection requirements indicated in the bidding documents and no mention 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 clause 8.2 & 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 provider.

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 provider who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do not comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the providers cost and risk. Should the provider fail to provide the substitute supplies forthwith, the purchaser may, without giving the provider further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the provider.

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 GCC.

9. Packaging

9.1 The provider shall provide such packaging of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging, case size and weights shall take into consideration, where appropriate, the remoteness of the good's final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packaging, 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, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

10.1 Delivery of the goods and arrangements for shipping and clearance obligations shall be made by the provider in accordance with the terms specified in the contract.

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.

12. Transportation

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

13. Incidental services

13.1 The provider may be required to provide any or all of the following services, including additional services, if any:

(a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
(b) furnishing of tools required for 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 provider of any warranty obligations under this contract; and**

(e) **training of the purchaser's personnel, at the provider'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 provider 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 provider for similar services.**

14. Spare parts

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

(a) **such spare parts as the purchaser may elect to purchase from the provider, provided that this election shall not relieve the provider 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 provider 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 provider 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 provider, 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 twelve (12) 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 eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise.**

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

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

15.5 **If the provider, having been notified, fails to remedy the defect(s) within the period specified, the purchaser may proceed to take such remedial action as may be necessary, at**

the provider's risk and expense and without prejudice to any other rights, which the purchaser may have against the provider under the contract.

16. Payment

16.1 The method and conditions of payment to be made to the provider under this contract shall be specified

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

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

16.4 Payment will be made in Rand unless otherwise stipulated.

17. Prices

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

18. Increase/decrease of quantities

18.1 In cases where the estimated value of the envisaged changes in purchase does not exceed 15% of the total value of the original contract, the contractor may be instructed to deliver the revised quantities. The contractor may be approached to reduce the unit price, and such offers may be accepted provided that there is no escalation in price.

19. Contract amendments

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

20. Assignment

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

21. Subcontracts

21.1 The provider 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 provider from any liability or obligation under the contract.

21.2 Successful bidder will be required to demonstrate subcontracting to local businesses providing the media, marketing and advertising services within Mbhashe jurisdiction.

22. Delays in the provider's performance

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

22.2 If at any time during performance of the contract, the provider or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the provider 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 provider's notice, the purchaser shall evaluate the situation and may at his discretion extend the provider'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.

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

22.4 Except as provided under GCC Clause 25, a delay by the provider in the performance of its delivery obligations shall render the provider 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.

22.5 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without canceling 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 provider'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 provider.

23. Penalties

23.1 Subject to GCC Clause 25, if the provider 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 good 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.

24. **Termination for Default**

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

(a) if the provider 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 provider fails to perform any other obligation(s) under the contract; or
(c) if the provider, in the judgement of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

24.2 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 provider shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the provider shall continue performance of the contract to the extent not terminated.

25. Anti-Dumping and Counter-Vailing Duties and Rights

25.1 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 subsidized 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 provider to the purchaser or the purchaser may deduct such amounts from moneys (if any) which may otherwise be due to the provider in regard to supplies or services which he 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.

26. **Force Majeure**

26.1 Notwithstanding the provisions of GCC Clauses 22 and 23, the provider shall not be liable for forteiture 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.

26.2 If a force majeure situation arises, the provider shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the provider 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.

27. Termination for Insolvency

27.1 The purchaser may at any time terminate the contract by giving written notice to the provider if the provider becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the provider, 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,

28. Settlement of Disputes

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

28.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the provider 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.

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

28.4 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 provider any monies due to the provider for goods delivered and / or services rendered according to the prescripts of the contract.

29. **Limitation of Liability**

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

(a) the provider 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 provider to pay penalties and / or damages to the purchaser; and
(b) the aggregate liability of the provider 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.

30. Governing Language

30.1 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.

31. Applicable Law

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

32. Notices

32.1 Every written acceptance of a bid shall be posted to the provider 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.

32.2 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.

33. Taxes and Duties

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

33.2 A local provider shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.

33.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid SARS must have certified that the tax matters of the preferred bidder are in order.

34. Transfer of Contracts

34.1 The contractor shall not abandon, transfer, assign or sublet a contract or part thereof without the written permission of the purchaser.

35. Amendment of Contracts

35.1 No agreement to amend or vary a contract or order or the conditions, stipulations or provisions thereof shall be valid and of any force unless such agreement to amend or vary is entered into in writing and signed by the contracting parties. Any waiver of the requirement that the agreement to amend or vary shall be in writing, shall also be in writing.

SPECIFICATION FOR INSTALLATION AND MAINTENANCE OF FIRE DETECTION SYSTEM FOR A PERIOD OF 3 YEARS FOR MBHASHE LOCAL MUNICIPALITY MAIN BUILDING IN DUTYWA

Province: Eastern Cape

Municipality: Mbhashe Local Municipality

Project Name: SPECIFICATION FOR INSTALLATION AND MAINTENANCE OF FIRE DETECTION SYSTEM FOR A PERIOD OF 3 YEARS IN MBHASHE LOCAL MUNICIPALITY MAIN BUILDING IN DUTYWA

Project Manager: S. NTSHINGA, LABOUR RELATIONS AND OHS OFFICER

Contact Number: 047 489 5800

BACKGROUND

The municipality hereby invites reputable service providers to bid for the installation and maintenance of fire detection system for a period of 3 years in our municipal main building in Dutywa.

DESIGN SYSTEM

FIRE SYSTEM TYPE AND CATEGORY SYSTEM.

Combination of L2 and P2 systems

Addressable Fire System

Detection and Alarm Zone: The building has three fire compartments including the voids which are less than 200m2 per compartment, the ceiling voids per compartment are also protected. The building has provided with the manual call points at all the exits of the building.

Manual call points Recommendations in the building:

All the manual call points to be sited at the exits of the building, must be interchangeable and must be type A as specified in SANS 50054-11. All the manual call points should be covered with suitably water resistance device, manual call points should be fixed at the height of 1.4m above finished floor levels, at easy accessible, well illuminated and conspicuous positions free from potential obstructions. They should be sighted against a constructing background to assist in any recognition.

A lower mounting hight is acceptable in circumstances where the is a likelihood that the first person are twelve (12).

Selection and siting sensors

Heat Detectors: Designed to respond when fixed temperature is reached. The heat detector should include sensor that respond when either the temperature rises more than a certain rate, or when the fixed temperature is reached.

Heat detectors comply with SANS 50054-5 operate in the manner described above. Heat detectors that operate only when the rate of rise of temperature is abnormal, but not when to be used, they can fail to detect a slowly developing fire.

Point Smoke Detectors: These utilizes optical smoke detectors which detect smoke by means of the light scatter that from presence of a small light source within the detector.

Sitting of the Detector: Detectors are positioned in the voids due to the height of the void is 800mm in height and such that extensive spread of fire or smoke, particularly between rooms and compartments and needs to be protected. Heat and smoke, particularly between provided under the flat ceiling, the horizontal distance between any points in a protected area and the detector nearest to that point should not exceed:

Recommendation:

7.5m if the nearest detector is smoke detector,

5.3m if the nearest detector is a heat detector,

Audible alarm levels within building, recommended 65bB (A) throughout. However, the new standards does accepts that in certain locations this can be as low as 60bD (A) or greater to be compliant.

Control and Indicating Equipment/Control Panel and Power supplies

The control panel shall comply to EN5-2 and any power used should comply to EN54-4. Control panels have to incorporate their own battery and charger and as long as the guideline for loading these systems are compliant with, the battery should be sufficient to maintain the system for a period of at least 24 hours with half an hour alarm load thereafter.

It is however recommended that a battery load calculation Is carried out to verify the standby period provided by the capacity of the battery supplied. irrespective of the size or type of system the control panel should be sited with the following points in mind:

In a area of relatively low fire risk,

On the ground floor entrance which the fire fighters will use,

In buildings of multiple occupancy, the panel should be sited within a communal area or if this does not exist, a location which is accessible at all times,

Where ambient light levels, ensure visibility at all times,

Fire zonal indication should be clearly displayed by LEDs or an illuminated mimic diagram-it is not acceptable to simply accept the information from an LCD or VDU display.

The installer's responsibilities:

To install all equipment in accordance with the standards,

To use the correct type of cable,

To test the cable, continuity and earth, and provided certificates,

To flag up any variations that affect the Design,

To produce a set of as "fitted" drawings,

To sign off the installation certificate.

Have customized service book.

Type of cable and where to use them:

Recommendations:

Core size not less than 1mm,

Where exposed cables re below 2m, additional mechanical should be considered, except for cables complying to BS 76629,

The colour of the outer sheath preferably be RED although other colours are permitted as long as it is common throughout the building and does not clash with any electrical services.

Fire Cable should:

Be segregated from all other services,

Not share the same conduit,

Use a separate compartment if common trucking is used,

Avoid running alongside high current power line,

Avoid running adjacent to lightning conductors,

Avoid electromagnetic interference from 'extra low voltage (240v) circuits',

The standards precludes the use of multicore cable where a single fault will cause more than one circuit to fail. This is particularly true with loop wired systems where communication from either end is required and the failure of a 4-core will mean that all communication is lost,

Cable joints should be avoided, other than the components themselves,

Cable support should withstand the same temperature as the cable, which method the use of plastic cable ties or trucking, where this is main means of supporting the cable, should not be used,

Cables should rely on suspended ceilings for their support,

Mains power supplies should also be wired back to the main circuit breaker in Standard grade 3 fire resistant cable.

Inspection and Testing of wiring

Prior to any equipment being connected, all installed cables shall be subjected to a 500v DC insulation test.

These tests should show an insulation value of at least 2M Ohm between conductors and between each conductor and screen or earth.

Earth continuity tests should be carried out on all mains supply circuit as well as an earth loop impedance in accordance with BS 7671. The maximum impedance of each loop or radial circuit should be recorded to ensure it meets the manufacture recommendations. Loop circuits should not be greater than 1 Km and a maximum of 100 meters for any radial circuit connected on aa loop powered interface.

Information Required Prior Commissioning

The following information is required prior to commissioning being carried out to ensure that the system is set up and tested in accordance with the customers' requirements and specification:

As fitted drawing detailing all devices installed and the sequence they are connected on each loop,

Copy of design specification with variations,

Label schedule per loop detailing address details for each device that have been agreed with the building user and across reference to as fitted drawings,

Cause and effect schedule. The system will need to be up to a predetermined cause and effect, this needs to be confirmed in writing or in the form of cause-and-effect matrix.

Documentation:

On completion of commissioning and user training all documentation will have to be collected and handed to the client or their representative. This includes:

Design, Installation and Commissioning certificates,

Cable and insulation resistance test records,

Product manuals and user instructions,

As fitted/ build drawings of the final installation,

System logbook,

A copy of the fire plan documentation against which the commissioning

Engineer programmed the system,

The designer's specification and a written list of agreed variations.

Submit As build Drawings

FIRE DETECTION INSTALLATION

DETAILS SPECIFICATION

INTRODUCTION & GENERAL

This Detail Specification complements & qualifies the standard specification of material & workmanship. The Standard Specification should be regarded as a basis and guideline, with this Detailed Specification taking preference where any ambiguity is concerned.

In the event of any further technical ambiguity between sections of this enquiry, then the sections will be considered in the following order of priority:

.Schedule of quantities

. Project specification

. Drawings (loose and bound in)

. Standard specification

SCOPE OF WORK

The standard specification shall apply unless otherwise indicated in this section.

The drawings issued herewith and listed in the relevant section are to be read in conjunction with the specification and all items mentioned, together with all ancillary equipment necessary for the correct installation, operation and full compliance with the Standards and codes must be provided, notwithstanding the fact that they may not have been included in detail in these documents.

If a limited allowance or special conditions are made for the Bid Sum for the supply or erection of the installation, the limit or special conditions shall be defined at the time of bidding.

It is the sole responsibility of the bidder to ensure that all quotations obtained from manufactures and suppliers are complete in their entirety and must include all equipment and accessories necessary for compliance with the current practice and the efficient and proper functioning of the installation.

If any such items of equipment, brackets and accessories, etc, have been omitted from a supplier's quotation, or incidental work is necessary, the bidder must include for all such items and work in bid,

The whole installation shall be in accordance with the latest edition of the Occupational Health and Safety Act: No. 85 of 1993.

All equipment offered by the bidder shall be to the approval of the duly appointed Engineer, prior to installation. This Detailed Specification with drawings shall be carefully adhered to by the bidder.

The work performed shall comprise the supply, delivery, off-loading, interim storage, installation, testing, commissioning and leaving in good working order of the complete fire detection and evacuation system installation inclusive of all guarantees as specified herein and the supply of 'AS IS' installation record drawings, Maintenance and Operating Manuals for:

- Supply and installation of an addressable fire detection system equipment.
- Supply and installation of fire proof cable.
- Supply and installation of steel or bosal conduit as described in the drawings and bill of quantities.
- Linking of HVAC, Access doors to Fire detection system for shut down including Fire Alarms.
- The liaison with a Facilities officer, Air Conditioning if and when required.
- Testing and commissioning of all equipment and the fire protected areas with and in conjunction with the Facilities Office

The scope also includes all electrical works for the installation but exclude the power supply to the Main Panel which will be provided by others.

Notwithstanding any omission in this specification the installation shall be complete in all respects. This condition shall be recognised in the preparation of all working drawings submitted for approval. The responsibility for correct functioning of the plant during tests, inspection and the maintenance period shall rest entirely with the successful bidder.

The installation shall be strictly in accordance with the approved drawings or such further drawings, modification that are found to be necessary shall be deemed to be within the specification for the purpose of the bid and shall not impair the contract.

SITE CONDITIONS

The site shall be serviced as far as electricity services are concerned, although Tenderers must make provision for an alternative electricity supply during installation.

The equipment specified herein shall be designed to operate at the environmental parameters as follows:

PROGRAMME

Service Provider shall complete the installation within the time stipulated, will be required to report to the municipality, generally on a weekly basis, as an when it is required, progress of work and any difficulties arising, to enable the municipality to update the programme.

Fire Detection System

The building is existing, the system will have new analogue addressable fire detection system with corresponding line devices as specified in the bill of quantities and drawings provided which will be linked to Fire Alarm Panel and HVAC system and also access door for fire evacuation.

All fire signals received by a sensor are to be confirmed by sensor in a zone or any break glass unit; all confirmed signals will be automatically relayed to the Main Fire Alarm Panel unit. If not cancelled (reset) within a specified time (less than four minutes) all signals which are not confirmed will be automatically relayed via the GSM unit to the pre-programmed contact numbers and/or Fire Brigade. The person attending to the alarm can call for more time by pressing the "More Time" push button in which instance the clock will be reset to zero and a new cycle (programmable between O and 999 seconds) will be initiate. During such cycle the attendant must be capable of investigating the source of the alarm and cancel it (by pushing the reset button) at any panel in the event of a false alarm or confirm it (by pushing the accept button) at any panel or by breaking the glass of any break glass unit.

It must be noted that operation of the "More Time" push button shall be overridden by the triggering of a second sensor/device in the same zone or via a break glass unit.

The fire detection and alarm evacuation installation shall operate as follows:

In the event of a confirmed fire condition the fire alarm system is to automatically:

- Relay a fire signal via the GSM unit to the pre-programmed numbers.
- Sound the evacuation sounder located in the building (a pulsing tone)

These functions will be grouped differently depending on what zone the signal originates from. The device address and location, as defined on the drawings, shall be indicated on the L.C.D display of the fire control panel.

Information relating to the alarm (or fault condition) shall pass to the C.P.U and in turn be displayed on the display terminal.

The generation of a fire alarm shall immediately initiate the following, within the affected fire zone only.

In public, areas where sounders have been located at ceiling level, these shall operate in the affected zone only. However, facility shall be incorporated at the Main Fire Control Panel to manually override the immediate activation of such devices, if so required, and then to manually activate such sounders by zone. (a pulsing tone)

All interface signals to other services within the affected zone, shall be initiated.

Relay fire signal via the GSM unit to the pre-programmed numbers.

Failure of a single fire control panel shall not affect the proper functioning of other fire control panels within the network, and the devices and equipment linked to them.

EQUIPMENT SPECIFICATIONS

General

The following description details the design parameters for the operation, control, dimensions, finishes, etc. for the fire Detection unit installation. These parameters are the minimum requirements, and sub-contractor may offer equipment that exceeds these specifications all relevant technical information to be submitted with tender.

Smoke Detectors and Bases

The location of smoke detectors are indicated on the drawing provided with this document and the Tenderer shall supply and install units that shall meet or better the following specification:

- The detectors shall operate on a 24V d.c. power supply and be suitable for connection in the circuit to the control panel using loop system.

The detector base section shall be suitable for easy removal and replacement of the detectors and shall allow for the interchanging of the different types of detectors without any modifications being necessary.

- The base to be employed shall depend on the special mounting conditions required, and shall be suitable for one or more of the following: - Surface / wall mounting

- Mounting in damp / plant rooms

- Underside of ceiling

Explosion proof mounting, with intrinsic safety

A visual alarm detection indication lamp shall be incorporated on each detector which shall illuminate or flash on the detector activated. If not visible over 3600 the detector shall be orientated so that the indication light faces towards the entrance to the room, or to where it can easily be visible on entry to the space in an emergency.

Unit is to feature:

- Measure of smoke density from 0.5 to 10 particle range.

- Active output proportional to the amount of smoke present in the chamber.

- Output value of the sensor to provide data regarding contamination levels in sensor and electronic circuit.

- Comply with Standard EN54 Part 7.

Manual Call Points Units

Break-glass / Manul call point units are to be provided for each zone as indicated on the drawings. These are to be suitable for manual initiation of an alarm for their respective zones.

The Tenderer shall provide and install equipment that meet or better the following specifications:

Each of the different type of mechanical / electrical break-glass units shall be:

- have a well-illustrated front

- where specifically called for, a stainless steel or anodised aluminium lift flap, suitably illustrated on its face shall be provided to cover the unit to offer additional protection against accidental breakage.

The types of acceptable mechanical call point units are:

- Press-to-Activate

The electrical circuit will be activated on the button (housed behind the break-glass front) being pressed. This unit should generally be employed in preference to the break-to-activate type.

The unit shall be fire engine red with the front of the unit clearly displaying the words "FIRE /BRAND"

Ceiling Mounted Sirens and Bases

The Tenderer shall sirens and bases that are under ceiling mounted as indicated on the drawing provided with this document. The units shall meet or better the following specification:

Operate on 24V d.c

Feature a shallow base as they are under ceiling mounted

Be fire engine red in colour

Be a compact high volume warning sound level greater than 85 Db at 3 m.

Round dia. 63mm galvanised boxes shall be provided and installed for the sirens unless measured elsewhere.

Line devices

All line devices shall comply with the standard specification. The type and location of line devices are shown on the drawing.

MLine Relay:

Service Provider will provide the line relay and connect to a 24V contractor coil, wiring to be carried as part of the air Conditioning/ Access Control\ Ventilation and other installation and other installation.

Interface Units

The interface units used shall be with normally open contacts either of the ‘fire ‘or non-fire’ types; an end of line resistors shall be provided with each interface unit

Service Provider will be expected to provide the interface units and connect to voltage free contacts which are to be monitored as follows:

Contact open normal

Contact closed Alarm

Wiring open fault

Wiring shorted Fault

Flashing strobes/ beacon

Flashing strobes / Beacon must be high efficiency LEDs as their light source. In areas with high background noise, visual indicators accompany sounders to ensure that the alarm is recognised. Depending on the colour and flash rates, beacons can provide additional information about the nature of the alarm.

Features:

IP Rating: IP65 (Standard)

Operating Temp: -20℃ to + 70℃

Construction: UV Stabilised polycarbonate Weight 0.1kg

Units are to be programmed to operate in the zone where a line device has activated only

Sounder Drivers

A dual monitored line output unit (Sounder Driver) shall monitor and switch two separates 24V dc lines to sounder devices. Service Provider shall provide all the necessary Components and interface units for the proper operation of the sounder devices by the sounder drivers.

The Sounders shall operate independently in zone or generally all together.

REQUIREMENTS.

REQUIREMENTS QUALITY CRITERIA	MINIMUM REQUIREMENTS	EVIDENCE
COMPANY EXPERIENCE Similar successfully completed projects installation of fire detection system (FDS), commissioning, and maintenance of Fire Detection System (FDS) in public / private sector. Three (3) projects or more are required	Similar successfully completed installation of fire detection system (FDS), commissioning, and maintenance of Fire Detection System (FDS) in public/private sector. Minimum of 3 projects is required	Appointment Letter/Purchase Order with reference letter
SPECIFIC EXPERTISE OF KEY PERSONNEL Team Leader Must hold a National Diploma in Mechanical Engineering/Eletrical Engineering (NQF Level 6) with a minimum of 3 years' experience in installation and maintenance of fire detection system.	Team Leader Must hold a National Diploma in Mechanical / Eletrical Engineering (NQF Level 6) with a minimum of 3 years' experience in installation and maintenance of fire detection system.	CV, Certified copies of qualifications and ID.
Technician Must have 3 years' experience in installation and maintenance of fire detection system and hold the following: SAQCC – Fire Technician registration. OHS certificate.	Technician Must have 3 years' experience in installation and maintenance of fire detection system and hold the following: SAQCC – Fire Technician registration. OHS certificate.	CV, Certified copies of Registration and OHS Certificate and Certified ID.

METHODOLOGY Clear methodological statement indicating how the project will be undertaken – method statement must be expressed in project phases. The bidder should at least demonstrate the activities to be carried out.	Clear methodological statement indicating how the project will be undertaken – meth statement must be expressed in project phases. The bidder should at least demonstrate the activities to be carried out.	Program of works clearly defining each activity and duration.

KEY DELIVERABLES

All items listed under the scope of work, requirements of the installation and maintenance of fire detection system for Mbhashe local municipality main building in Dutywa to be fully adhered to.

Operating and maintenance instructions

Three sets of instruction manuals shall be provided. Each manual shall comprise of the following sections, bound in vinyl plastic covered folder with the name of the project type written on a card inserted into a clear plastic covered cardholder on the front cover and spine shall be handed to the main Contractor on completion on the installation.

Table of Contents

Functional description of plants (as installed)

Operation of plant (as installed – step by instruction).

Performance Testing Procedures including Test Report

Maintenance instruction (in schedule form setting out each item of plant, the description and frequency

Of maintenance operation required). Instruction on testing the fire detention system must also be provided.

Spare parts (List of spare parts that shall be required, with detailed description of each part, make, model or part number and suppliers name and address).

Descriptive literature (for all items of plant and equipment).

Record drawings (of plant as installed to include plant layout drawings showing component location, control and wiring diagrams schematic piping diagrams).

GUARANTEE

The entire fire detection and alarm evacuation system installation shall be fully guaranteed for 12(twelve) calendar months from date of acceptance by the engineer. During the guarantee period, the Sub-contractor shall be responsible for the making good of any defects reported by the Tenant. The guarantee shall be ceded to the Superintended following acceptance of the installation.

MAINTENANCE

Service Provider shall be responsible for the maintenance of the entire plant during the guarantee period, as specified in the document. Record of all services are to be kept by the Municipality.

CERTIFICATION OF COMPLETION OF GUARANTEE & MAINTANANCE PERIOD

In the month prior to the expiry of the guarantee and first twelve months maintenance period the service provider shall inspect and, if necessary, retest the installation so as to be able to provide the municipality with a certificate, within fourteen days of the guaranteed expiry date, to confirm that the guarantee has been honoured and that the installation has been properly serviced as required regular intervals per the service provider.

DRAWINGS

Generally

Generally, the term “detail” shall mean that the drawing is exact in all aspects to what shall be provided. Where the term “illustration” is used, however, it shall be construed that the drawing is to be regarded as the proposal or guide line as to what is to be provided, manufactured or supplied

Record Drawings

Service Provider must prepare records drawings of the completed installation as constructed, indicating cable runs, equipment mounting details, circuiting and distribution board details, sleeve pipe positions, etc.

The contract shall not be deemed as complete until these drawings have been submitted.

Fire Detection System

The following drawings are required:

Layout drawings

Schematic circuit drawings

Internal circuit drawings of all panels, etc.

Wiring drawings showing wire colour codes and numbers as well as all connections onto terminal strips.

The following documents are required:

Full description of the system.

Operating instructions.

Installation instructions.

Commissioning instructions

Maintenance instructions, Maintenance schedule and trouble shooting guide.

Programme printout

SUPERVISION, WORKMANSHIP AND DELAYS

The work shall at all times, for entire duration of the contract, be executed under the supervision of skilled and competent representative of the service provider.

COMPLIANCE WITH REGULATIONS, STANDARDS AND CODES

The Service Provider shall arrange for all inspections and testing of the installation as required.

The workmanship throughout the Works will be the satisfaction of the Employer. Any materials or workmanship considered as faulty or incorrectly or inadequately erected or repaired, will be substituted, altered, or rectified to the satisfaction of the Employer, without additional cost to the Employer.

The Works will be executed in strict accordance with the following:

All relevant by-laws and regulations of local authorities.

All relevant SANS, BS and other international standards.

The occupational Health and Safety Act of 1993.

COMMISIONING AND TESTING

Commissioning

A documented method shall be followed whereby the service provider shall ensure that his installation is correctly constructed in accordance with the manufacturers' specification, consultant's specification, consultant's design and all Codes of Practice and International Design Codes.

The commissioning procedure must allow for signing off the major items of equipment by a qualified person in terms of the codes. These signed off documents will form part of the record drawings.

Performance Tests

The sub-contractor shall be responsible for the physical testing, in the manufacturing works, or on site, of the items of plant or systems as required by the municipality. These tests shall be performed by the service provider of the equipment, and where called for, the Municipality shall witness such tests. The Municipality may also only witness representative sample of the equipment tests. In any event, the Service Provider will supply documentary proof of full performance tests of all relevant equipment.

Acceptance Tests

Acceptance tests will be performed on site of the working system or sub system, to show that the Works, as installed, is functioning according to the specifications and design. The onus for the correct functioning of the systems is still on the Service provider.

Prior to the system being taken into use, a certificate of compliance must be provided. The work shall not be deemed complete without this certificate.

Fire Detection and Alarm Evacuation System Testing Equipment

Testing equipment required for the successful commissioning of the Works described herein is to be made available by the Service Provider.

BUILDER'S WORK

The onus is on the sub-contractor to point out and check the requirements for and positioning and correctness of all builder's work for the services provider.

MAKING GOOD

With exception of making good to the cut-outs and drilled holes for piping, the Service Provider will carry out, in all instances any work to be made good such as damage to, or disturbance of the building installations caused by himself or his employees during the execution of the contract at his own cost.

TENDER DRAWINGS

Drawing No.	Description
FD_100 rev 00__	Ground Floor Fire Detection System Layout
FD_101 rev 00	First Floor Fire Detection System Layout
FD_102 rev 00	Roof Void Fire Detection System Layout

FUNCTIONAL AND TECHNICAL SPECIFICTION FOR FIRE DETECTION SYSTEM

FUNCTIONAL AND TECHNICAL

SPECIFICATION FOR FIRE DETECTION SYSTEM

GENERAL REQUIREMENTS

The fire detection and alarm system shall comprise of min fire alarm control panels, optical smoke sensor, heat sensor, and optical smoke/heat sensor with integral sounder units, manual call points, electronic sounders, repeat panels, and interface units, each with its own shorts circuit built-in isolators. All loop cabling and any other components and accessories deemed necessary for a safe, reliable and satisfactory system will confirm to SANS 10139 (Fire Detection and Alarm System for Building)

Contractor will train and instruct clients personnel in the correct use, operation and supervision of the system, prior to the handing over of the project

The system will be configured to allow on site modifications with the minimum of disruption using the PC based software to facilitate future changes or alteration to the buildings.

SYSTEM DESCRIPTION

The fire detection and alarm system will be designed to facilitate accurate identification of the source of heat / smoke / fire in their early stages to minimize occurrences of false alarms due to faulty equipment, electrical transients, system faults etc.

The fire alarm control panels will make final decision on whether fire or fault exists by comparing the plotted patterns from a fire sensor against know fire and fault patterns held in its memory.

System will be true Analogue with the ability to print the output from a fire sensor over a period of time.

All system components and will be connected device two-wire loop circuits (as shown in the typical schematics) with each component having its own individual built-in isolator.

Removal or disconnection of any component from the loop will not affect the functioning and performance of other components and the system.

System will be of safe addressable type i.e. all the devices on the loops of the FACP will be allocated address automatically from the panel at the time of system power up on numerically lowest unused value basis (algorithms) and also given an address during commissioning, the value of which will be stored in non-volatile memory, within the electronics module of the outstation. This value will be red during loop allocation and provided it is valid will be used to setup the outstations primary address.

SAFE Addressing will cover the benefits of Soft Addressing and also overcome the limitations of Hard Addressing. This means that if the device are inserted or removed all the existing device will keep the same address.

The panel will allocate the address in strict sequential order when the loop is powered up to speed up commissioning and ensure that it is impossible for two devices to have the same address.

Fire Detection and Alarm System, which rely only on soft addressing or hard addressing techniques, are not acceptable.

Facilities will be provided to constantly monitor and check the following circuits and fault conditions:

The power supply to the loop /s

For open-circuit, short-circuit. Earth fault condition in the loop wiring;

For communication failure and errors in all cards and loops

For faults in keyboard and printer circuits

Monitoring of all devices status every 1.3 minutes to create a table of each 1 analogue channel for event analysis

All devices Optical/Heat Sencer, Optical Smoke, Beacon Sounder, Fire Alarm

Interface Unit, Manual Call Points, etc. Will be installed on the same loop.

All devices will be signed a maximum of 32-character alphanumeric label. In case of fire, fault or warning, the label of device sensing threshold will appear on visual display unit of the panel.

Any correction in label will have to be carried out from the build-in keyboard of FACP.

Use of separate PC or tools for on-site programming will not be acceptable.

Any event i.e. Fire, fault or warning will be recorded with time, date and place of occurrence in the memory of FACP. These events can either be displayed on VDU or printed, as required.

will be done at the fire alarm control panels to silence the loop powered alarm sounders, but the visual indication will remain until the system is reset.

It will be possible to change the sensitivity of analogue sensors from fire alarm control panel only.

The sensitivity will be varied automatically, if required, by time zoning feature whereby it allows sensors to be programmed to respond at different sensitivities relative to anytime of day, and any day of work.

Facility to introduce/change delay periods in operating loop powered individual sounders/group of sounders/speaker circuits, will be possible to programme from FACP without the need to change any hardware.

The main fire alarm control panels will be located as shown on the schematics and the floor drawings.

1.3 SYSTEM OF OPERATION

In the event of a fire being reported from the smoke/heat Detectors, activation of manual call points the sequence of alarm operation will be as follows:

If a fire condition is reported from a smoke or heat detector, Manual Break Glass, then the evacuation alarm tone will be done by the electronic sounders in the same zone. Then after a certain delay (to be agreed at the time of commissioning) or after 3 minutes the alarm has not been acknowledged, the evacuation tone from the sounders activated in the adjacent fire zones. Or on the floor directly above and below. All other floors or zones will be given the Alert tone. The evacuation of the building will be staged in phases to allow orderly movement of people.

Activation of the fire alarm system will be directly initiate some or all of the following to be agreed as a part of the overall engineering policy.

Signal to all elevator machine rooms indicating fire status (to control lift)

Release doors normally locked by magnetic devices.

Release doors normally held open by magnetic devices.

Shutdown mechanical equipment ventilation plant.

1.4 SYSTEM, COMPONENTS AND DEVICES.

The panel will be computer controlled using analogue technique to detect smoke/heat/fire conditions. The panel will be complete with, but not limited to, the following elements:

Visual display unit capable of displaying LCD Alphanumeric 40 characters x 8 line display minimum backlit display

Built-in 40-character thermal printer operating when the access door is open there will also be an option to enable the printer when the door is closed.

Built-in full QWERTY keyboard. Labelling of devices will be done from this keyboard. Also, this keyboard if required will do any correction in label and onsite programming & maintenance.

Integral rechargeable sealed lead acid battery and charger, with 26-hours back up in the event of supply mains failure.

Essential controls-sound alarms, silence alarms and reset fire. These will be enabled by a key switch.

Cancel fault buzzer

Fire, fault, warning and power on lamps.

Simple menu driven function keys with password protection will allow users to an extensive range of software-based features such as:

Last 100 fire events

Last 255 system events

Current fault and warning logs.

Analysis of analogue sensor information

Interrogation of sensor cleanliness

Loop map connections

Enable/disable sensors, zones, sounders, interface unit channels.

Fire plan configuration menus

Outstation label changes

Address allocation

Status of outstation

Status of all cards

Printer on, off, line feed and test facilities.

Address allocation including SAFE addressing.

All control buttons and keyboard will be enclosed behind a lockable cover.

Up to 256-device capacity per 1 km loop.

RS 232/RS 485 computer communication, Ethernet option.

Will have minimum of 2 Master alarm circuits 24V 400Ma max per circuit.

Will have a secure networking facility to indicate a remote zone and remote zone text across the network.

SENSOR

All analogue sensors and bases shall be provided by the contractor/supplier of the control equipment. The sensor bases for interfacing between the loop wiring and the sensor head shall not contain any electronics. The base fixings shall be suitable for SA industry standard or conduit boxes. All bases shall have the necessary connections for sending repeat fire signals to a remote LED unit.

The sensor provided shall be lockable into position if required and removal of locked sensor shall be achievable only through the use of the appropriate removal tool. Sensor removal tools should be provided on completion of the contract as part of the spare parts profile. The removal of a sensor from its base shall not affect the continuity of the detection loop.

The following types of analogue sensors will be available as standard:

Heat sensor

Optical Heat sensor

Beam sensor (transmitter and receiver) with 7 programmable sensitivity settings

All of the above shall be compatible with the aforementioned base providing interchangeability between sensor heads without the requirement for switch settings. All sensors will also have an integral short circuit isolator, which in the event of a single cable fault will isolate the faulty section of cable and retain all devices on the loop operationally in less than 1 second.

The sensitivity off all sensors will be adjustable from the control panel. This may be carried out manually to manage false activation issues or automatically using the system clock i.e. day/night settings for specific risks. It shall be possible to programme sensors within a range of sensitivity levels from State O (high level) through to State 15 (disabled).

Each sensor will possess an integral Red LED giving a flashing indication of a fire signal or a continuous indication for certain fault conditions. The integral LED can also be enable/disabled to provide operational status i.e. short flashes that indicate the unit is powered and communicating with the control panel.

Manual Call Points:

The manual call points shall be electrically compatible will all of the aforementioned sensor types. Each device shall contain its own microprocessor giving a 1 second response time from initiation. The MCP shall be available as a semi-flush mounting unit fixing to a standard single gang recessed box or as surface mounting unit on a matching red plastic back box.

The MCP will have the ability to be tested functionally without the need to remove the front cover or breaking the glass with a special test key (supplied as standard). The key shall insert in the front facia of the MCP ensuring easy access of the key at all times. The key will also be used to reset the

MCP when fitted with a resettable plastic element. The option to retrofit a clip-on transparent plastic cover to prevent accidental or malicious activation should be available as standard.

ALARM SOUNDERS

Alarm Sounders are all Electronic sounders Addressable and loop powered and Standard Evacuate & Alert tone with voice messaging Programmable tones selectable by control panel. Synchronisation of all sounders to be fully synchronised with all other analogue addressable loop powered sounder speech devices on the system.

The safe addressable Alarm Sounders will be loop signalled and provided with built-in short circuit isolation and will be sited in the emergency stairwell staff/utility areas and plant rooms. The sounders will be configured via software to operate individually or in sectored groups, totally independent of the way they have been connected to the loops. The sounders will have the synchronisation feature to ensure that all the sounders give alert and evacuate tones that are totally in phase. Conventional Sounders that "free-run" and therefore be out of phase with each other will not be accepted.

The Sounders will have Minimum sound pressure level 102 Dba at 1 metre with frequencies of 970 Hz and 910 Hz. Variety of sounds shall be available.

INTERFACE MODULES

Fire detection interface units will be directly connected to the loop to provide both inputs and outputs for the control or annunciation of other life safety, security and building management systems. These units shall be either self-contained wall mountable units or DIN rail mounting units for fitting within 3rd party control.

Equipment/panels. Each device will incorporate a short circuit isolator as standard to maintain system integrity in the event of an equipment failure or wiring fault. As standard six variants will be available:

4 channel input and/or output interface

1 channel Low Voltage input/output interface

1 channel Low Voltage input only interface

Mains Voltage 240V 13A switched output interface

Mains powered 4 channel interface with monitored integral power supply unit, battery standby and 250mA output circuits

Key switch operated single channel interface

1.5 INSTALLATION

Fire alarm components will be installed directly to conduit outlet boxes at the following mounting heights above finished floor level, measured to the centre of box unless stated otherwise.

Fix manual call station semi-recessed at 1.5m. heights above finished floor.

Automative smoke and heart sensors : ceiling mounted

Alarm Sounders: 2.20 above finished floor

1.6 WIRING AND WIRING FACILITIES:

Supply and install the conduit, enclosed trucking to the fire cable and accessories and wiring for the alarm system.

All cables associated with Fire Alarm installation will be of fire resistant 2 core 1.5 mm.

Multi core cables having more than 2 cores will not be allowed for loop wiring due to inadequate separations and possible interference problems.

All wiring will be installed to provide complete and satisfactory function system in all respects.

All cable communications at components and junction boxes will have identification tags, indicating throughout the system.

The Fire Alarm/Detection system wiring will be completely independent from the other system wiring in all respects in accordance with the IEE Regulations.

2. TECHNICAL SPECIFICATION FOR FIRE DETECTION SYSTEM

2.1 2 Loop Analogue Addressable Fire Alarm Pane

a) Loop capacity: 127 addresses

b) Power RequirementsPanel (Quiescent at VDC) 4loops 420m A Load of panel only, excluding any external devices Panel (Alarm at 24 VDC) 820Ma 25% of zones in alarm Per loop (Quiescent at 24 VDC) 70Ma Fully loaded loop, with 127ZP devices not in alarm

c) Power Supply:Input 220 Vac 50Hz+ or -10% 0,75Amps Optional input DC24 to 50 volts load dependent User output 24 Vdc (nominal) up 3.0 Amps Battery charge 28.2 Vdc 1.2 Amps

d)Wiring:2-core screened (to local codes and standards)

e) Monitoring:Loop wiring Open and short circuit fault, earth leakage,sensor removed and wrong device type

f) Switched outputs (standard): Sounder circuits (programmable) 2X dual (monitored) Fire (common) 1- volt fee N/O or N/C 1-volt free N/O or N/O OR N/C (software set) Fault (common) 1volt free N/O or N/C 1volt free N/O or N/C (software set) Remote manned centre (fire) 1 monitored Remote manned centre 1 monitored

g) Switched I/0(optional &programmable: Non-loop devices, sounder circuits, relay outputs transistor outputs monitoring inputs 768 total max.

h) Indicators:Systems status 87 light emitting diodes, text display 4line,160-character, LCD (back lit)

i)Printer:24 characters (built into front door)

j) Software:Firmware and site configuration programming-flash memory

k) Communication ports: Ports 1 Planner, RS 232 Port 2 Network, RS 485/fibre optic

l)Selectable features:COMMON sounders, Coincidence alarm, RMC fire, RMC fault, Zone Walk test, Control output, Output delays, Alarm counter, Sounder silence delays, Alarm verification 2

m) Standby batteries:2 x 12- volt sealed lead acid- up to 28 Ah accommodated inside panel enclosure

n) Temperature range:-5℃ to + 40℃

o) Humidity range: 10% to 90% RH (non- condensing)

p) Environmental:IP30 (indoor installation)

2.2 Analogue Addressable Optical Smoke Detectors

a) Mounting: Plugs into surface or semi recessed bases

b) Area coverage:Optical: 100m^2, subject to local codes

c) Wiring: 2-core loop

d) Monitoring: Open and short circuit fault. Sensor removal and device type

e) Indicator: Alarm LED (red)

f) Open Voltage: 19.5 to 20.5V max. line loss 4v

g) Current consumption: Quiescent:

600πA Alarm:

700πA

h) Addressing method: 7-way DIP switch in head

i) Detection principle: Smoke: Photo electric light

scatter

j) Environmental: IP32

k) Application: Indoors use

l) Temp range: -10℃ to + 75℃

m) Humidity range: 20% to 95% RH (non -condensing)

2.3 Analogue Addressable Heat Detectors

a) Mounting: Plugs into surface or semi recessed base

b) Area coverage: Up to 21.3 m spacing

c) Wiring: 2 wire zonal

d) Monitoring: Open and short circuit by end of line resistor

e) Indication: Alarm LED (red)

f) Operating Voltage: 15-30 volts DC

g) Current (quiescent): <60μA

h) Current(alarm): Max.50mA (limited by panel) (excluding.

i) Environmental: IP32

j) Application: Indoor use

k) Temp range: 0℃ to +58℃

l) humidity range: 20% to 95% RH (non-condensing)

2.4 Analogue Addressable Loop Isolator

a) Mounting: Plugs into surface or semi recessed based

b) Wiring: 2 core' 'Class-A' return loop. Total

c) Monitoring: Loop Short circuit protection

d) Indication: LED (red)

e) Operating voltage: 16-22 volts DC

f) Current (quiescent): 600μA

g) Addressing method: Soft addressed (does not require an addressed number

i) Application: Indoor use

j) Temp range: -10℃ to +75℃

k) Humidity range: 20% to 95% RH (non-condensing)

2.5 Analogue Addressable Manual Call Points (Indoor)

a) Monitoring: Addition of black back-box for surface or single gang socket box for flush fixing

b) Wiring: 2 core loop

c) Monitoring: Open/short circuit, removal and device type

d) Indication: Alarm LED (red)

e) Operating Voltage: Loop 19.5 to 20.5 V

f) Current: Quiescent: 600μA

Alarm: 700μA

g) Operating principle: Micro switch

h) IP Rating: IP24D

i) Application: Type A-Indoor installation

j) Environment: Indoor

k) Addressing method: 7 ways dipswitch

l) Temperature range: Micro switch -10℃ +55℃

n) Colour: Red

o) Humidity: 20% to 95% RH (non-condensing)

2.6 Analogue Addressing Loop Powdered Beacon Sounders

a) Sound Projection Level [Dba/1m]: 102 Dba

b) Sound types: User configurable

c) Visual indicator: Light source: Red LED array

Light output 1J

Flash frequency: 0.8 Hz

d) Mounting: Surface mount with plug in base

e) Wiring: 2- core loop

f) Monitoring: Open/short circuit, sound output, removal, device type

g) Operating voltage: Loop powdered 19.5-20.5V

External powdered: 18-30VDC

h) Loop current: Quiescent (when loop powdered): 820μA Active (when powered): 9.6mA Quiescent (when externally powered) 470μA-Active

(when externally powered): 500μA

i) Device per loop (Max): 20 (1km loop of 1.5mm^2 cable, 50m to first device)

j) Addressing method: 7-way dipswitch

k) Environmental: Application: Indoor

IP rating: IP21C

l) Operating temperature: -10℃ to 60℃

m) Humidity range: 10% to 60% RH (non- condensing)

n) Colour: Red

2.7 Addressable Line Interface Unit/Line Rely Module

a) Mounting: Equipment cabinet DIN rail, or

SMB-DINI, SMB-DIN 2 surface boxes

b) Wiring: 2 Core loop (screened)

c) Indication: LED (red) flashing on operation

d) Operating Voltage: Pulsed loop (19.5-20.5V)

e) Current: Quiescent: 600μA

Alarm: 700μA

f) Relay contacts: Single pole, change over

g) Max switching voltage: 1.0A

h) Max switching voltage DC: 30VDC

i) Max switching voltage AC: 40VAC

j) Application: Indoor installation

k) AP rating: IP20

l) Temp range: -10℃ to + 75℃

m) Humidity range: 20% to 95% RH (non-condensation)

2.8 Remote Indicator

a) Operating voltage: 8.5 to 33V DC

b) Current consumption: 11 to 14 Ma

c) Display medium: 2 LEDs

d) Operating temperature: 0℃ $to + 65$℃

e) Relative humidity: <95% (non-condensing)

f) Ingress Protection: IP 40

2.9 Network Interface Card

a) Mounting: Plug and socket-fixes to allocate spaces on panel main control board

b) Comms protocol: RS 485

c) Baud rates: 57600,38000,33600, 28800,19200,14400,9600,4800,2400,1200,600,300

d) Wiring: Two cores twisted screened pair 0.5$mm^2$2 minimum

e) Current consumption: 70Ma (total effective load from 24Vsupply)

f) Indication LEDs: Green-powered on Red (x3)- transmission

g) Temp range: 10℃ $to + 60$℃

h) Humidity range: 10% to 90% RH (non-condensing)

2.10 FIRE RESISTANCE CABLE – PH30 (STANDARD)

a) Conductor: 1.5mm^2 Higher conductivity annealed stranded plain buncher copper with plain copper wire.

b) Insulation:	Higher temperature fire resistant core wrapping with halogen free component
c) Insulation Colour:	DIN VDE colour code
d) Make-up:	multi -core and multi-pairs
e) Screening:	Overall aluminium foil screen
f) Sheath:	Non-toxic halogen free low smoke flame retardant compound
g) Sheath Colour:	Red as a standard colour (alternative colours on request)
h) Required Standard:	Fire resistance meeting the test requirement of BS EN 50200 for 30 survival time t 840℃, which compiles to SANS 10139 standard.
i) Voltage:	300/500V
j) Performance:	PH30 burns for 30 minutes at 840℃

BILL OF QUANTITIES AND PRICE SUMMARY

SECTION 1 MBHASHE LOCAL MUNICIPALITY – CONSTRUCTION

BILL NO 1 PRELIMINARY & GENERAL

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QTY	RATE
		PRELIMININARY AND GENERAL			
		Preliminary and General items is provided to cover contractors charges for compliance with the conditions of contract and specification, including the provisions maintenance and removal of his site establishment, etc.			
			Sum	1	
	100	**FIXED CHARGES**			
		01 Site Establishment	Sum	1	
		02 Removal of Site Establishment			
		03 Other fixed charges obligations (Please specify)	Sum	1	
	101	**CONTRACTUAL REQUIREMENTS**			
			Sum	1	
		01 Provision of Sureties	Sum	1	
		02 Insurance	Sum	1	
		03 Third Party Insurance	Sum	1	
		04 Guarantee of Work	Sum	1	
		05 Provide Test Results	Sum	1	
		06 Provision of Record Drawings	Sum	1	
		07 Other Value Related Obligation (Please Specify)	Sum	1	
	102	**TIME RELATED ITEMS**			
		01 Contractual Requirements	Sum	1	
		02 Operation and Maintenance	Sum	1	
		03 Supervision for Duration of Contract	Sum	1	
		04 Other Time Related Obligations	Sum	1	
		05 Communication	Monthly	1	
		06 Rent	Monthly	1	
		07 Tools	Monthly	1	

	TOTAL BILL					

SECTION 2 **MBHASHE LOCAL MUNICIPALITY – CONSTRUCTION**

BILL NO 1: **FIRE DETECTION INSTALLATION**

PAYMENT REFERS TO	**ITEM**	**DESCRIPTION**	**UNIT**	**QTY**	**RATE**	**AMOUNT**
SANS 10139						
	200	**FIRE CONTROL PA**				
		Analogue Addressa Control panels sha Conform to BS 583 or EN 54-2 clause				
		The supply and Installation of flush Mounted c/w all Accessories neede For the proper Operation of the s As described in thi Document. Price to Include for built In printer., power Recessed back box Assembly and all Mounting and fixir Materials and a BA BATTERY.				
		01 4 Loop Analogu Addressable Fir Control Panel				
		Supply		No.	1	
		Install		No.	1	
		02 Analogue Addressable M Fire Control				
		Panel Supply		No.	2	

		Install		No.	2	
Sans 50054-2	201	**SENSORS AND LIN DEVICES** Supply and install Sensors & line dev As specified, Price To include all Installation materi Needed.				
SANS 50054-7		01 Addressable Op Smoke Detecto Base, base meas Elsewhere				
		Supply		No.	180	
		Install		No.	180	
		02 Surface Mounte Base for use wi Sensors in item (Addressable Op Smoke Detecto				
		Supply		No.	180	
		Install		No.	180	
SANS 50054-5		03 Addressable Op Heat Detector, Measured Elsewhere				
		Supply		No.	12	
		Install		No.	12	
		04 Surface mounte Base for use wi Sensors in item (Addressable Optical Heat Detector)				
		Supply		No.	12	
		Install		No.	12	
SANS 50054-3		05 Addressable So /Beacon, contr And powered v				

		The Fire Loop.				
		Supply		No.	16	
		Install		No.	16	
SANS 50054-1		06 Addressable Ca				
		Point (Break Gl				
		Surface or Rece				
		Mounting, C/W				
		Resettable elen				
		And transparer				
		Flip up cover, b				
		Box measured				
		Elsewhere.				
		Supply		No.	12	
		Install		No.	12	
		07 Surface Mounte				
		Back Box for us				
		With call points				
		Supply		No.	12	
		Install		No.	12	
		08 Recessed moun				
		Back box for us				
		With call points				
		Item				
		Supply				
		Install		No.	12	
				No.	12	
		09 Short circuit lin				
		Isolator base fo				
		With sensors in				
		Items 200.01 an				
		200.02				
		Supply				
		Install		No.	10	
				No.	10	
	Total Bill					

SECTION 2 CONTINUED……

BILL NO 1: FIRE DETECTION SYSTEM INSTALLATION CONTINUED

PAYMENT REFERS TO	ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought forward					
		010 Remote LED to Operate with Sens Line Devices Led				
		Supply	No.	8		
		Install	No.	8		
		011 Addressable Interface Module For connecting N/C contacts into The fire alarm System c/w end of Line resistor and Suitable for DIN Rail mounting. Housing measured Elsewhere.				
		Supply	No.	8		
		Install	No.	8		
		012 Fire Exit input				
		Supply	No.	12		
		Install	No.	12		
		013 Access Control inp				
		Supply	No.	24		
		Install	No.	24		
		014 Addressable Relay Module providing A voltage free N/ & N/C set contact (rated 1 amp 30 30 V dc). Suitabl For DIN rail Mounting. Housing measur Elsewhere				

		015 Interface to Airco (shut down)				
		Supply	No.	30		
		Install	No.	30		
		016 Interface to Acce Control (open doors)				
		Supply	No.	24		
		Install	No.	24		
		017 Addressable Relay Module providing Two voltage free Change over cont (rated 5amp 250 V Suitable for DIN ra Mounting. Housir Measured elsewh (Aircon High Voltage)				
		Supply	No.	4		
		Install	No.	4		
		018 House for Module Box and cover for DIN rail mounted Modules suitable For surface Mounting or to be Recessed into wal c/w DIN rail and a fixing materials needed.				
		Supply	No.	4		
		Install	No.	4		
	202	**AUXILLARY DEVICES**				
		Wall mounted recesse Electro-magnetic door Holding magnet c/w Manual release push Button and door Mounted receiver plat C/W mounting box and All fixing materials Needed.				

		01 Single Door Supply Install 02 Double Door (requires set i.e. 2c Supply Install	 No. No. No. No.	 8 8 6 6		
		Total Bill				

SECTION 3 **MBHASHE LOCAL MUNICIPALITY – CONSTRUCTION**

BILL NO.1 **FIRE ALARM POWER AND CONDUITING INSTALLATION**

PAYMENT REFERS TO	ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
BS4678-4	203	Power Supply 220Vac/24 Vdc Converter with 5amp dc output Rating. Power Supply, battery Charger and Batteries shall All be housed In wall mounted Lockable metal Housing c/w Mounting Brackets and all Fixing materials.				

		(power supply Per door) 01 Power supply Per door Supply Install	 No. No.	 8 8		
	204	**CONDUCTORS** Supply and install Screened Conductor as Specified, for Connecting 01 1mm sqx2 Core screened Cable (Loop cable) -PH30 Supply Install	 m m	 1800 1800		
	205	**CONDUITING** 01 Galvanized ste Conduiting (20mm) And accessories Supply Install 02 8mm flexible P Coated conduit (kopex), I 1 metre Lengths Supply Install 03 20mm flexible Coated conduit (kopex), in 1 metre Lengths Supply Install 04 Round, side an Back entry for 20mm conduit Average 1, 2, 3 and 4 ways Supply Install	 m m m m m m No. No.	 50 50 10 10 20 20 10 10		

		05 Box 100 x 100 x 50 mm Supply Install	 No. No.	 10 10		
	Total Bill					

SECTION 4 **MBHASHE LOCAL MUNICIPALITY – CONSTRUCTION**

BILL NO 1: **SITE TESTING, COMMISSIONING & DOCUMENTATION**

PAYMENT REFERS TO	ITEM	DESCRIPTION	UNIT	QTY	RATE	A
	206	**SITE TESTING, COMMISSIONING & DOCUMENTATION** Installation Acceptance Testing Procedures It is strongly recommended That, installation and Commissioning be Undertaken in accordance With the recommendations Of clause 10 and clause 11 SANS 10139:2012 01 Testing & Commissioning Of the entire system in Accordance with SANS 0139	Sum	1		
	207	**AS BUILT DRAWINGS** Submit " As built " drawings for				

		Approvals and carry out required Changes for approval	Sum	1		
	208	**COMPLIANT CERTIFICATES**				
		Submit Compliant Certificates For approvals and carry out Required changes for approval	Sum	1		
		01 Design Certificate 02 Installation Certificate 03 Commissioning Certificate 04 Acceptance Certificate				
	209	**DOCUMENTATION**				
		01 Submit completed Approval And Guarantees	set	3		
		02 Hard copy: O&M Manuals	set	3		
		03 Electronic copy: O & M manuals	set	3		
	Total Bill					

SECTION 5 **MBHASHE LOCAL MUNICIPALITY**

BILL NO 1: **HEALTH AND SAFETY**

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	300	Preparation of the site Specific health and safet Or plan.	Item	1		
	301	Initial obligations in resp Of the occupational heal And safety act and Construction regulations	Item	1		
	302	Time related obligations In respect of the Occupational health and	Item	1		

		Safety act and construct Regulations.				
	303	Provision of personal Protective equipment(pp				
		01 Reflective vest	item	8		
		02 Hard hats	item	8		
		03 Protective foot v	item	8		
		04 Earplugs	item	8		
		05 Dust masks	item	8		
		06 Gloves	item	8		
		07 High visibility ov	item	8		
		08 Ear plugs SABS Approved	item	8		
	304	Provision of a full time Construction health and Safety officer	item	1		
	305	**Cost of medical certifica** **And medical surveillanc**				
		01 a) Initial(baseline) me Examination	Item	1		
		02 b) Periodic and exit Examination	Item	1		
		03 c) Contractor's c to to allow for handling costs and profit in respect of sub items 13 /X.06 (a) and (b)	Item	1		
	306	Induction training	Item	1		
	306	Provisioning of first aid b To GSR requirements	Item	1		
	307	Submission of health and Safety file	Item	1		
	Total Bill					

SUMMARY OF BILLS	TOTAL PRICES
SECTION1- Preliminary & General	
SECTION 2- Fire Detection Installation	
SECTION 2 - Fire Detection Installation Continu	
SECTION3- Fire Alarm Power & Conduiting Inst	
SECTION 4- Site Testing, Commissioning & Documentation	
Section 5- Health and Safety	
SUBTOTAL BEFOR VAT	
VAT	
TOTAL INC VAT	

PART 4: DRAWING

The following documents are herein attached as follows:

Ground floor – Fire detection Layout

First floor plan

Roof void plan

Fire detection system cause and effects matrix

MBD 3.3
PRICING SCHEDULE

(Professional Services)

Name of Bidder:……	Bid Number: ……
Closing Time: …….	Closing Date ……

OFFER TO BE VALID FOR 90 DAYS FROM THE CLOSING DATE OF BID.

ITEM NO	DESCRIPTION	BID PRICE IN RSA CURRENCY INCLUSIVE OF VALUE ADDED TAX

1. The accompanying information must be used for the formulation of proposals.

2. Bidders are required to indicate a ceiling price based on the total estimated time for completion of all phases and including all expenses inclusive of VAT for the project. R……

3. PERSONS WHO WILL BE INVOLVED IN THE PROJECT AND RATES APPLICABLE (CERTIFIED INVOICES MUST BE RENDERED IN TERMS HEREOF)

4. PERSON AND POSITION	HOURLY RATE	DAILY RATE
----------	R----------	
----------	R----------	
----------	R----------	
----------	R----------	
----------	R----------	

5. PHASES ACCORDING TO WHICH THE PROJECT WILL BE COMPLETED, COST PER PHASE AND MAN-DAYS TO BE SPENT

---------- R---------- ---------- days

---------- R---------- ---------- days

---------- R---------- ---------- days

---------- R---------- ---------- days

5.1 Travel expenses (specify, for example rate/km and total km, class of airtravel, etc). Only actual costs are recoverable. Proof of the expenses incurred must accompany certified invoices.

DESCRIPTION OF EXPENSE TO BE INCURRED	RATE	QUANTITY	AMOUNT
----------	…….	……..	R……..
----------	…….	……..	R……..
----------	…….	……..	R……..
----------	…….	……..	R……..

TOTAL: R…….

5.2 Other expenses, for example accommodation (specify, eg. Three star hotel, bed and breakfast, telephone cost, reproduction cost, etc.). On basis of these particulars, certified invoices will be checked for correctness. Proof of the expenses must accompany invoices.

DESCRIPTION OF EXPENSE TO BE INCURRED	RATE	QUANTITY	AMOUNT
----------	…….	……..	R……
----------	…….	……..	R……..

---------- …… …….. R……..

---------- …… …….. R……..

TOTAL: R……

6. Period required for commencement with project after Acceptance of bid

……

7. Estimated man-days for completion of project

……

8. Are the rates quoted firm for the full period of contract?

……

9. If not firm for the full period, provide details of the basis on which adjustments will be applied for, for example consumer price index.

……

……

……

……

MBD 4

DECLARATION OF INTEREST

1. Any legal person, including persons employed by the state[1], or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes a price quotation, advertised competitive bid, limited bid or proposal). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-

   - the bidder is employed by the state; and/or
   - the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.

2. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

2.1Full Name of bidder or his or her representative: ……..

2.2 Identity Number: ..... ……

2.3 Position occupied in the Company (director, trustee, shareholder[2]):
.....

2.4 Company Registration Number: .....

2.5 Tax Reference Number: .....

2.6 VAT Registration Number: .....

2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / persal numbers must be indicated in paragraph 3 below.

[1]"State" means –

(a) 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);

(b) any municipality or municipal entity;

(c) provincial legislature;

(d) national Assembly or the national Council of provinces; or

(e) Parliament.

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

2.7 Are you or any person connected with the bidder presently employed by the state? **YES / NO**

2.7.1 If so, furnish the following particulars:
Name of person / director / trustee / shareholder/ member:…….

Name of state institution at which you or the person

connected to the bidder is employed :…….

Position occupied in the state institution: ……

Any other particulars:

……

……

……

2.7.2 If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? **YES / NO**

2.7.2.1 If yes, did you attached proof of such authority to the bid document? **YES / NO**

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:

……

……

……

2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months? **YES / NO**

2.8.1 If so, furnish particulars:
……

……

……..

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

2.9.1If so, furnish particulars.

……..

……..

……

2.10 Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between any other bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this bid? **YES/NO**

2.10.1If so, furnish particulars**.**

……

……

……

2.11 Do you or any of the directors / trustees / shareholders / members of the company have any interest in any other related companies whether or not they are bidding for this contract? **YES/NO**

2.11.1If so, furnish particulars:

……..

……..

……..

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

Full Name	**Identity Number**	**Personal Tax Reference Number**	**State Employee Number/ Persal Number**

4 DECLARATION

I, THE UNDERSIGNED (NAME)……

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

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 23 OF THE GENERAL CONDITIONS OF CONTRACT SHOULD THIS DECLARATION PROVE TO BE FALSE.

…….. ……

Signature **Date**

…….. ……

Position **Name of bidder**

MBD 7.1

CONTRACT FORM - PURCHASE OF GOODS/WORKS

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SUCCESSFUL BIDDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SUCCESSFUL BIDDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE BIDDER)

1. I hereby undertake to supply all or any of the goods and/or works described in the attached bidding documents to (name of institution) **Mbhashe Local Municipality** in accordance with the requirements and specifications stipulated in bid number **MBH/CORP/0016/2024-25** at the price/s quoted. My offer/s remains binding upon me and open for acceptance by the purchaser during the validity period indicated and calculated from the closing time of bid.

2. The following documents shall be deemed to form and be read and construed as part of this agreement:

   (i) Bidding documents, *viz*
   - Invitation to bid;
   - Tax clearance certificate;
   - Pricing schedule(s);
   - Technical Specification(s);
   - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2022;
   - Declaration of interest;
   - Declaration of bidder's past SCM practices;
   - Certificate of Independent Bid Determination;
   - Special Conditions of Contract;

   (ii) General Conditions of Contract; and

   (iii) Other (specify)

3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the goods and/or works specified in the bidding

documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.

4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfilment of this contract.

5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.

6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT) ……

CAPACITY ……

SIGNATURE ……

NAME OF FIRM ……

DATE ……

WITNESSES	
1	……
2.	……

MBD 7.1

CONTRACT FORM - PURCHASE OF GOODS/WORKS

PART 2 (TO BE FILLED IN BY THE PURCHASER)

1. I……in my capacity as…….. accept your

   bid under reference number ……dated……for the supply of goods/works indicated hereunder and/or further specified in the annexure(s).

2. An official order indicating delivery instructions is forthcoming.

3. I undertake to make payment for the goods/works delivered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice accompanied by the delivery note.

***ITEM* NO.**	**PRICE (ALL APPLICABLE TAXES INCLUDED)**	**BRAND**	**DELIVERY PERIOD**	**B-BBEE STATUS LEVEL OF CONTRIBUTION**

4. I confirm that I am duly authorized to sign this contract.

SIGNED AT ……ON……..

NAME (PRINT) …….

SIGNATURE …….

OFFICIAL STAMP

WITNESSES

1. …….

2. …….

DATE …….

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

1 This Municipal Bidding Document must form part of all bids invited.

2 It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.

3 The bid of any bidder may be rejected if that bidder, or any of its directors have:

a. abused the municipality's / municipal entity's supply chain management system or committed any improper 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).

4 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
4.1	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? (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 *audi alteram partem* rule was applied). **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.**	Yes ☐	No ☐
4.1.1	If so, furnish particulars:		
4.2	Is the bidder or any of its directors 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)? **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.**	Yes ☐	No ☐

4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors 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?	Yes ☐	No ☐
4.3.1	If so, furnish particulars:		
Item	**Question**	**Yes**	**No**
4.4	Does the bidder 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 ☐	No ☐
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder 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 ☐	No ☐
4.7.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME) ……..……..……

CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

…….. **……..**

Signature **Date**

…… **……..**

Position **Name of Bidder**

MBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

1 This Municipal Bidding Document (MBD) must form part of all bids[1] invited.

2 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).[2] Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.

3 Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:

a. take all reasonable steps to prevent such abuse;

b. reject the bid of any bidder if that bidder or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and

c. cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the bidding process or the execution of the contract.

4 This MBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.

5 In order to give effect to the above, the attached Certificate of Bid Determination (MBD 9) must be completed and submitted with the bid:

[1] Includes price quotations, advertised competitive bids, limited bids and proposals.

[2] Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers

who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

MBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

_____

(Bid Number and Description)

in response to the invitation for the bid made by:

_____

(Name of Municipality / Municipal Entity)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign, the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
    (a) has been requested to submit a bid in response to this bid invitation;
    (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and

(c) provides the same goods and services as the bidder and/or is in the same line of business as the bid.

6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium[3] will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 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 bid;
    (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
    (f) bidding with the intention not to win the bid.
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 bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

[3] Joint venture or Consortium means an association of persons for combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

……	……
Signature	Date
……	……
Position	Name of Bidder