



COMPETITIVE BIDDING TENDER (DOMESTIC) CBTD 16-26
INVITATION TO TENDER
FOR THE FIRE SUPPRESSION SYSTEM FOR THE HARARE DATA CENTRE

Tender Closing Date: 19 March 2026

Standard Bidding Document for the
Procurement of: FOR THE FIRE SUPPRESSION SYSTEM AT THE
HARARE DATA CENTRE

Procurement Reference No: CBTD 16-26

Procuring Entity: Tel-One Zimbabwe

Date of Issue:

**BIDDING DOCUMENT FOR THE FIRE SUPPRESSION SYSTEM AT THE HARARE DATA
CENTRE**

PROCUREMENT REFERENCE NO: 16-26

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**BIDDING DOCUMENT FOR THE FIRE SUPPRESSION SYSTEM AT THE HARARE DATA CENTRE
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Part 1: Bidding Procedures

PART 1: BIDDING PROCEDURES

Procurement Reference Number: 16-26

Preparation of Bids

You are requested to bid for fire suppression system at Harare Data Centre, as specified in the Statement of Requirements below, by completing and returning the following documentation:

1. Completed and signed Bid Submission Sheet in this Part;
2. Completed Statement of Requirements in Part 2;
3. Completed and signed bid securing declaration.
4. *Price Validity period which is 60 days (bidders should state)*
5. *At least three written trade references (in the form of official letters from client companies), for similar services rendered and successfully completed projects.*
6. A copy:
 - i. *CR6 showing Company Directors*
 - ii. *Certificate of Incorporation or equivalent registration in the country of residence*
 - iii. *Current Tax Clearance Certificate*

You are advised to read the complete Bidding Document, before preparing your Bid. The draft Contract is provided not for completion at this stage but to enable Bidders to note the Contract terms they will enter into if their Bid is successful.

The standard forms in this document may be retyped for completion but the Bidder is responsible for their accurate reproduction. All pages of the Bid must be clearly marked with the Procurement Reference Number above and the Bidder's name and any reference number.

Number of bids allowed

No Bidder may submit more than one bid, either individually or as a joint venture partner in another Bid, except as a subcontractor. Where the procurement is divided into lots and packages, only one Bid can be submitted. A conflict of interest will be deemed to arise if bids are received from more than one Bidder owned, directly or indirectly, by the same person.

Clarification

Clarification of the bidding document may be requested in writing by any Bidder before 11 March 2026 and should be sent to:

The Procurement Management Unit Executive
TelOne
P O Box CY331
Causeway, Harare
Zimbabwe
Fax: 263 – 242 – 2795499

Email- jennifer.makonise@telone.co.zw; caroline.chikukutu@telone.co.zw; and cladios.chenga@telone.co.zw:

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Validity of Bids

The minimum period for which the Bidder's bid must remain valid is 60 days from the deadline for the submission of bids.

Submission of Bids

- a) Bids must be submitted in writing in a sealed envelope to the address below, no later than the date and time of the deadline below. It is the Bidder's responsibility to ensure that they receive a receipt confirming submission of their bid that has correct details of the Bidder and the number of the Bid.
- b) The Bidder must mark the envelope with the Bidder's name and address and the Procurement Reference Number.
- c) The bidder must submit one (1) original and two (2) copies of the tender document clearly marked as "original" and "copy". In the event of any discrepancy between them, the original shall govern. The original and all copies of the tender shall be typed or written in indelible ink and shall be signed by the bidder or a person/persons duly authorized to bind the bidder to the contract.

Late bids will be rejected. The Procuring Entity reserves the right to extend the bid submission deadline but will notify all potential bidders who have collected the bidding documents of the amended bid submission deadline.

Date of deadline: 19 March 2026 **Deadline Time:** 11.00hrs Zim time

Submission address:
The Procurement Executive
TelOne,
8th Floor,
Runhare House,
South Wing 107
Kwame Nkrumah
Ave HARARE,
ZIMBABWE

Means of acceptance: The tender shall be enclosed in an envelope which shall be sealed and marked on the outside with the advertised tender number, description, closing date and time and must be hand delivered to the above stated address. Tender submission by Tele-fax/email shall not be accepted save for issue of queries.

Bid opening

Bidders and their representatives may witness the opening of bids, which will take place via ZOOM meeting on the date of submission. The link can be requested on the following email: procurement@telone.co.zw

Withdrawal, amendment or modification of Bids

A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice, duly signed by an authorized representative. However, no Bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of Bids and the expiration of the period of Bid validity specified by the Bidder or any extension of that period.

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Delivery Requirements

The delivery period required (from the date of contract signing) and the final destination for delivery are as indicated in the Delivery Schedule in Part 2.

Bid Prices and Discounts

The prices and discounts quoted by the Bidder in the Bid Submission Form and in the Price Schedules must conform to the requirements specified below.

Prices must be quoted as specified in the Price Schedule included in Part 2 Statement of Requirements. In quoting prices, the Bidder is free to use transportation through carriers registered in any eligible country and similarly may obtain insurance services from any eligible country. Prices quoted must include the following costs and components:

- (a) For Goods
 - (i) the price of the Goods and the cost of delivery to the final destination, including the relevant INCOTERM, as stated in the Delivery Schedule;
 - (ii) the custom duties to be paid on the Goods on entry in Zimbabwe, if not already included;
 - (iii) Any other applicable import taxes;
 - (iv) any sales and other taxes due within Zimbabwe which will be payable on the Goods, if not already included;
 - (v) Any rebate or mark-up of the local agent or representative.
- (b) for Related Services, (other than inland transportation and other services required to convey the Goods to their final destination), whenever such Related Services are specified in the Schedule of Requirements:

The price of each item comprising the Related Services (inclusive of any applicable taxes).

Any bid not accompanied by a Bid Security Declaration, will be rejected by the Procuring Entity as non-responsive.

The Bid Security of a Joint Venture (JV) must be in the name of the JV that submits the Bid. If the JV has not been legally constituted at the time of bidding, the Bid Security or Bid-Securing Declaration must be in the names of all intended partners.

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Evaluation of Bids

Bids will be evaluated using the following methodology:

1. Preliminary evaluation

The preliminary evaluation shall consider bidders' compliance with requirements by submitting the following mandatory requirements:

Preliminary Tender Requirements	Bidder Compliance C – Compliant NC – Non Compliant
Completed and signed Bid Submission Sheet in this Part;	
Completed Statement of Requirements in Part 2;	
Completed and signed bid securing declaration.	
<i>Price Validity period which is 60 days (bidders should state)</i>	
<i>At least three written trade references (in the form of official letters from client companies), for similar services rendered and successfully completed projects.</i>	
<i>CR6 showing Company Directors</i>	
<i>Certificate of Incorporation or equivalent registration in the country of residence</i>	
<i>Current Tax Clearance Certificate</i>	

Bidders with outstanding deliveries for similar requirements may not be considered for this tender.

FAILURE TO COMPLY WITH ANY OF THE ABOVE REQUIREMENTS WILL LEAD TO AUTOMATIC DISQUALIFICATION

2. **Technical evaluation**

The Technical Specifications Sheet details the minimum specification of the goods required. The goods offered must meet this specification, but no credit will be given for exceeding the specification. The technical evaluation shall consider bidder's compliance with the technical specifications of the tender given below. The technical specifications of the project are broken down into technical components ALL of which must be complied with.

The delivery period required is measured from the date of the signing of the Contract between the Procuring Entity and the Bidder.

3. Financial evaluation and comparison to determine the evaluated price of bids and to determine the lowest evaluated bid.

Bids failing any stage will be eliminated and not considered in subsequent stages.

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Evaluation criteria

The Procuring Entity's evaluation of a Bid will take into account, in addition to the Bid Price, the following criteria and methodologies.

- (a) **Delivery schedule:** The specified Goods are required to be delivered by the date indicated in the Delivery Schedule in Part 2. If the delivery period offered differs from the requirements in the schedule, bidder must state in their bid.
- (b) **Deviation in payment schedule:** The payment schedule is stated in the draft contract. A Bidder may propose a deviation from the schedule and if the deviation is considered acceptable to the Procuring Entity, the Bid will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the Bid as compared with those stipulated in the draft, at the rate of interest indicated by the Reserve Bank of Zimbabwe on the closing date for submission of bids.
- (c) **Cost of major replacement components, mandatory spare parts, and service:**
Bidders must state the unit prices for these items. The total cost of these items and quantities will be added to the Bid price, for evaluation purposes only.
- (d) **Life Cycle Costs:** An adjustment to take into account the additional life cycle costs for the period specified below, such as the operating and maintenance costs of the Goods, including the cost to the Procuring Entity of establishing the minimum service facilities and parts inventories if not available in Zimbabwe, will be added to the Bid price for evaluation purposes only. The adjustment will be evaluated in accordance with the methodology specified below and the following information:

Eligibility and Qualification Criteria

Bidders are required to be eligible to participate in public procurement and to be qualified for the proposed contract. They must therefore provide any available documentation and certify their eligibility in the Bid Submission Sheet. To be eligible, Bidders must

- 1. have the legal capacity to enter into a contract;
- 2. not be insolvent, in receivership, bankrupt or being wound up, not have had business activities suspended and not be the subject of legal proceedings for any of these circumstances;
- 3. have fulfilled their obligations to pay taxes and social security contributions in Zimbabwe;
- 4. not have a conflict of interest in relation to this procurement requirement;
- 5. not be debarred from participation in public procurement
- 6. have the nationality of an eligible country; and

Technical Criteria

The Technical Specifications Sheet details the minimum specification of the goods required. The goods offered must meet this specification, but no credit will be given for exceeding the specification. Marking criteria: Bids MUST be fully compliant with each item specification.

Technical Specifications for International Fire Suppression System for the Harare Data Centre

Abbreviations

NFPA- National Fire Protection Association

ISO- International Standards Organization

UL- Underwriters Laboratories

FM- Factory Mutual

ICT- Information and Communication Technology

BIDDING DOCUMENT FOR THE FIRE SUPPRESSION SYSTEM AT THE HARARE DATA CENTRE
PROCUREMENT REFERENCE CBT 16-26
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Overview

TelOne as a telecommunication industry, requires a fire suppression system that provides rapid fire control, minimal damage to sensitive electronic equipment and high system reliability. An internationally compliant system shall therefore be a Clean Agent Fire Suppression System with early fire detection, designed specifically for mission-critical ICT environments.

The following are the technical requirements for an International Fire Suppression System that would guarantee the safety of the organizations equipment, property and personnel:

1. International Standards Compliance

The system shall comply with the latest editions of the following internationally recognized standards:

- NFPA 75- Protection of Information Technology Equipment
- NFPA 76- Fire Protection of Telecommunications Facilities
- NFPA 2001- Clean Agent Fire Extinguishing Systems
- NFPA 72- National Fire Alarm and Signaling Code
- ISO 14520- Gaseous Fire- Extinguishing Systems
- ISO 7240- Fire Detection and Alarm Systems

All system components shall be UL Listed and/or FM Approved and acceptable to the Authority Having Jurisdiction (AHJ). Compliance to these standards ensures global acceptability, safety and reliability of the system.

2. Recommended System Type

The system shall utilize a clean, electrically non-conductive extinguishing agent, suitable for occupied spaces and sensitive electronics such as:

- FK-5-1-12 (Novec TM 1230) or
- HFC-227EA (FM-200)

3. System Performance Requirements

Upon activation, the Fire Suppression System shall have the following performance requirements:

- Automatic activation upon confirmed fire detection
- Fire extinguishment through total flooding of the protected space
- Agent discharge completed within 10 seconds
- Maintenance of extinguishing concentration for the required hold time
- No residue and no damage to equipment
- The system shall effectively suppress Class A, B, and C fire risks commonly associated with telecommunications facilities.

4. Fire Detection and Activation

Fire detection shall be provided through an addressable detection system capable of early smoke detection. Detection devices may include photoelectric smoke detectors, multi-sensor detectors, and very early smoke detection systems where required.

System activation shall be based on a cross-zoned or double-interlock detection philosophy to minimize the risk of false discharge. Upon confirmed detection, the system shall initiate audible and visual pre-discharge warnings, followed by controlled release of the suppression agent after a defined time delay to allow personnel evacuation.

Manual release and emergency abort controls shall be provided at designated and clearly marked locations.

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5. Suppression System Components

The system shall comprise of:

Agent Storage

- ISO approved pressure cylinders
- Continuous pressure monitoring
- Electrically and manually actuated release mechanisms

Distribution Network

- Schedule 40 steel or approved equivalent piping
- Hydraulically calculated pipe sizing
- Engineered discharge nozzles to ensure uniform agent distribution

Control System

- Dedicated fire suppression control panel
- Supervised circuits and fault monitoring
- Battery back-up for uninterrupted operation

6. Safety Features

The system shall incorporate personnel safety features, including pre-discharge warning alarms, time delays prior to agent release, and clearly visible safety signage.

The system shall be designed to work safely and remain operational during power outages through battery backup and supervised power supplies.

7. Installation, Testing, and Commissioning

- Installation shall be carried out by qualified and certified fire suppression contractors in accordance with manufacturer instructions and applicable international standards.
- Compliance with manufacturer and NFPA installation guidelines
- Room integrity (door fan) testing to confirm enclosure suitability

Final acceptance shall be subject to inspection and approval by the Authority Having Jurisdiction.

8. Inspection, Maintenance, and Documentation

- The fire suppression system shall be designed for ease of inspection and maintenance.
- Periodic functional testing of detection and control systems shall be conducted
- Cylinder pressure checks and system health monitoring shall be done

9. Design

The protected areas and the suppression zones were determined based on physical measurements of the facility to ensure adequate coverage, compliance with international fire suppression design standards and effective agent distribution:

<u>Zone number</u>	<u>Area</u>	<u>Height</u>	<u>Length</u>	<u>Width</u>
1	Power Room	3.04 meters	8.1 meters	4.25 meters
2	BSS Room	3.04 meters	6.64 meters	4.25 meters

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3	CO- Location Room	3.04 meters	10.52 meters	4.25 meters
4	Enterprise Cloud Room	3.04 meters	10.38 meters	11.98 meters
5	CT Room	3.04 meters	18.95 meters	5.43 meters
6	O & M Room	3.04 meters	3.77 meters	5.43 meters
7	Fire Suppression Room	3.24 meters	2.43 meters	5.43 meters
8	Passage	3.04 meters	25.83 meters	1.8 meters

10. Monitoring of Fire Suppression System Irregularities

- We require the integration of a temperature monitoring service that provides both audible and visual alerts. These alerts should be connected directly to the NOC Control Room to ensure immediate awareness and response in case of abnormal temperature fluctuations.
- The key requirements are:
 1. Continuous monitoring of ambient and system-related temperatures.
 2. Audible alarms to notify staff of threshold breaches.
 3. Visual indicators (e.g., display panels or warning lights) for clear situational awareness.
 4. Direct integration with the NOC Control Room for centralized monitoring and response coordination.

This enhancement is critical to improving safety, minimizing risks, and ensuring rapid intervention in the event of fire-related incidents.

11. Training

In addition to the requested integration of temperature monitoring with audible and visual alerts connected to the NOC Control Room, we would also like to request a structured training program for our engineering team.

The training should cover:

- System overview: design, components, and operational principles of the fire suppression system.
- Monitoring protocols: how to interpret audible and visual alerts, and escalation procedures.
- Maintenance practices: routine checks, troubleshooting, and preventive measures.
- Emergency response: best practices for immediate action during fire-related incidents.
- Compliance and safety standards: ensuring adherence to relevant codes and regulations.

This training will ensure our engineers are fully equipped to operate, monitor, and maintain the system effectively, thereby enhancing overall safety and reliability.

Conclusion

The specified fire suppression system provides an internationally compliant, reliable, and effective solution for protecting telecommunications facilities. By utilizing clean-agent total flooding

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technology and early fire detection, the system minimizes equipment damage, reduces service downtime, and ensures compliance with globally recognized fire safety standards.

Currency

Bidders should quote in USD , payable in ZWG at Interbank rate.

The tender will be awarded to the lowest evaluated bid to specification.

Award of Contract

The lowest evaluated bid to specification, after application of any additional evaluation criteria, including any margin of preference, which is substantially responsive to the requirements of this bidding document will be recommended for award of contract. The proposed award of contract will be by issue of a Notification of Contract Award which will be effective until signature of the contract documents. Unsuccessful Bidders will receive the Notification of Contract Award.

Right to Reject

The Procuring Entity reserves the right to accept or reject any Bids or to cancel the procurement process and reject all Bids at any time prior to contract award.

Corrupt Practices

The Government of Zimbabwe requires that Procuring Entities, as well as Bidders and Contractors, observe the highest standard of ethics during the procurement and execution of contracts. In pursuit of this policy:

1. the Procuring Entity will reject a recommendation for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract or been declared ineligible to be awarded a procurement contract;
2. any conflict of interest on the part of the Bidder must be declared.

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Annex A

Bid Submission Sheet

{Note to Bidders: Complete this form with all the requested details and submit it as the first page of your Bid. Attach the completed Statement of Requirements and any other documents requested in Part 1. Ensure that your Bid is authorised in the signature block below. A signature and authorisation on this form will confirm that the terms and conditions of this Bid prevail over any attachments. If your Bid is not authorised, it may be rejected. If the Bidder is a Joint Venture (JV), the Bid must be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives.

Bidders must mark as "CONFIDENTIAL" information in their Bids which is confidential to their business. This may include proprietary information, trade secrets or commercial or financially sensitive information}.

Procurement Reference Number:	CBTD 16-26
Subject of Procurement:	
Name of Bidder:	
Bidder's Reference Number:	
Date of Bid:	

We offer to supply the items listed in the attached Statement of Requirements, at the prices indicated on the attached Price Schedule and in accordance with the terms and conditions stated in your Bidding Document referenced above.

We confirm that we meet the eligibility criteria specified in Part 1: Procedures of Bidding.

We declare that we are not debarred from bidding and that the documents we submit are true and correct.

The validity period of our bid is: {Days} from the date of submission.

We confirm that the prices quoted in the attached Price Schedule are fixed and firm for the duration of the validity period and will not be subject to revision, variation or adjustment.

Bid Authorised by:

Signature	Name:
Position:	Date: (DD/MM/YY)
Authorised for and on behalf of:	
Company	
Address:	
.....	

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PART 3: CONTRACT

ANNEX B

PART 2: STATEMENT OF REQUIREMENTS

Name of Bidder:

Bidder's Reference Number:

List of Items and Price Schedule

CURRENCY OF BID: USD\$

Item No¹	Description of Goods	Quantity	Unit Price [to be provided by the Bidder]	Total Price [to be provided by the Bidder]

**Technical Specifications for International Fire Suppression System for the Harare Data
Centre**

Abbreviations

NFPA- National Fire Protection Association

ISO- International Standards Organization

UL- Underwriters Laboratories

FM- Factory Mutual

ICT- Information and Communication Technology

Overview

TelOne as a telecommunication industry, requires a fire suppression system that provides rapid fire control, minimal damage to sensitive electronic equipment and high system reliability. An internationally compliant system shall therefore be a Clean Agent Fire Suppression System with early fire detection, designed specifically for mission-critical ICT environments.

The following are the technical requirements for an International Fire Suppression System that would guarantee the safety of the organizations equipment, property and personnel:

12. International Standards Compliance

The system shall comply with the latest editions of the following internationally recognized standards:

- NFPA 75- Protection of Information Technology Equipment
- NFPA 76- Fire Protection of Telecommunications Facilities
- NFPA 2001- Clean Agent Fire Extinguishing Systems
- NFPA 72- National Fire Alarm and Signaling Code
- ISO 14520- Gaseous Fire- Extinguishing Systems
- ISO 7240- Fire Detection and Alarm Systems

All system components shall be UL Listed and/or FM Approved and acceptable to the Authority

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Having Jurisdiction (AHJ). Compliance to these standards ensures global acceptability, safety and reliability of the system.

13. Recommended System Type

The system shall utilize a clean, electrically non-conductive extinguishing agent, suitable for occupied spaces and sensitive electronics such as:

- FK-5-1-12 (Novec TM 1230) or
- HFC-227EA (FM-200)

14. System Performance Requirements

Upon activation, the Fire Suppression System shall have the following performance requirements:

- Automatic activation upon confirmed fire detection
- Fire extinguishment through total flooding of the protected space
- Agent discharge completed within 10 seconds
- Maintenance of extinguishing concentration for the required hold time
- No residue and no damage to equipment
- The system shall effectively suppress Class A, B, and C fire risks commonly associated with telecommunications facilities.

15. Fire Detection and Activation

Fire detection shall be provided through an addressable detection system capable of early smoke detection. Detection devices may include photoelectric smoke detectors, multi-sensor detectors, and very early smoke detection systems where required.

System activation shall be based on a cross-zoned or double-interlock detection philosophy to minimize the risk of false discharge. Upon confirmed detection, the system shall initiate audible and visual pre-discharge warnings, followed by controlled release of the suppression agent after a defined time delay to allow personnel evacuation.

Manual release and emergency abort controls shall be provided at designated and clearly marked locations.

16. Suppression System Components

The system shall comprise of:

Agent Storage

- ISO approved pressure cylinders
- Continuous pressure monitoring
- Electrically and manually actuated release mechanisms

Distribution Network

- Schedule 40 steel or approved equivalent piping
- Hydraulically calculated pipe sizing
- Engineered discharge nozzles to ensure uniform agent distribution

Control System

- Dedicated fire suppression control panel
- Supervised circuits and fault monitoring
- Battery backup for uninterrupted operation

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17. Safety Features

The system shall incorporate personnel safety features, including pre-discharge warning alarms, time delays prior to agent release, and clearly visible safety signage.

The system shall be designed to work safely and remain operational during power outages through battery backup and supervised power supplies.

18. Installation, Testing, and Commissioning

- Installation shall be carried out by qualified and certified fire suppression contractors in accordance with manufacturer instructions and applicable international standards.
- Compliance with manufacturer and NFPA installation guidelines
- Room integrity (door fan) testing to confirm enclosure suitability

Final acceptance shall be subject to inspection and approval by the Authority Having Jurisdiction.

19. Inspection, Maintenance, and Documentation

- The fire suppression system shall be designed for ease of inspection and maintenance.
- Periodic functional testing of detection and control systems shall be conducted
- Cylinder pressure checks and system health monitoring shall be done

20. Design

The protected areas and the suppression zones were determined based on physical measurements of the facility to ensure adequate coverage, compliance with international fire suppression design standards and effective agent distribution:

<u>Zone number</u>	<u>Area</u>	<u>Height</u>	<u>Length</u>	<u>Width</u>
1	Power Room	3.04 meters	8.1 meters	4.25 meters
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7	Fire Suppression Room	3.24 meters	2.43 meters	5.43 meters
8	Passage	3.04 meters	25.83 meters	1.8 meters

Conclusion

The specified fire suppression system provides an internationally compliant, reliable, and effective solution for protecting telecommunications facilities. By utilizing clean-agent total flooding technology and early fire detection, the system minimizes equipment damage, reduces service downtime, and ensures compliance with globally recognized fire safety standards.

NB: TelOne reserves the right to alter quantities

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- 1. PLEASE STATE IF THE PRICE INCLUDES OR EXCLUDES VAT.
UNLESS OTHERWISE STATED PRICES WILL BE TAKEN TO INCLUDE VAT**
- 2. BIDDERS SHOULD STATE PAYMENT TERMS**

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Annex C

Delivery Schedule

Name of Bidder:

Bidder's Reference Number: CBTD 16-26

{Note to Bidders: If the delivery period offered, or any other details, differ from the requirements below, this should be stated in your tender}.

Item No	Description of Goods	Delivery period required by PMU	Delivery period
			[to be provided by the Bidder]
1.	Fire Suppression System at the HARARE DATA CENTRE	30 days	

NB: TelOne reserves the right to alter the quantities

**BIDDING DOCUMENT FOR THE FIRE SUPPRESSION SYSTEM AT THE
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Annex D

Technical Specification and Compliance Sheet

Technical Specifications for International Fire Suppression System for the Harare Data Centre

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Overview

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All system components shall be UL Listed and/or FM Approved and acceptable to the Authority Having Jurisdiction (AHJ). Compliance to these standards ensures global acceptability, safety and reliability of the system.

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Upon activation, the Fire Suppression System shall have the following performance requirements:

- Automatic activation upon confirmed fire detection
- Fire extinguishment through total flooding of the protected space
- Agent discharge completed within 10 seconds

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- Maintenance of extinguishing concentration for the required hold time
- No residue and no damage to equipment
- The system shall effectively suppress Class A, B, and C fire risks commonly associated with telecommunications facilities.

24. Fire Detection and Activation

Fire detection shall be provided through an addressable detection system capable of early smoke detection. Detection devices may include photoelectric smoke detectors, multi-sensor detectors, and very early smoke detection systems where required.

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- Hydraulically calculated pipe sizing
- Engineered discharge nozzles to ensure uniform agent distribution

Control System

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- Supervised circuits and fault monitoring
- Battery back up for uninterrupted operation

26. Safety Features

The system shall incorporate personnel safety features, including pre-discharge warning alarms, time delays prior to agent release, and clearly visible safety signage.

The system shall be designed to work safely and remain operational during power outages through battery backup and supervised power supplies.

27. Installation, Testing, and Commissioning

- Installation shall be carried out by qualified and certified fire suppression contractors in accordance with manufacturer instructions and applicable international standards.
- Compliance with manufacturer and NFPA installation guidelines
- Room integrity (door fan) testing to confirm enclosure suitability

Final acceptance shall be subject to inspection and approval by the Authority Having Jurisdiction.

28. Inspection, Maintenance, and Documentation

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- The fire suppression system shall be designed for ease of inspection and maintenance.
- Periodic functional testing of detection and control systems shall be conducted
- Cylinder pressure checks and system health monitoring shall be done

29. Design

The protected areas and the suppression zones were determined based on physical measurements of the facility to ensure adequate coverage, compliance with international fire suppression design standards and effective agent distribution:

<u>Zone number</u>	<u>Area</u>	<u>Height</u>	<u>Length</u>	<u>Width</u>
1	Power Room	3.04 meters	8.1 meters	4.25 meters
2	BSS Room	3.04 meters	6.64 meters	4.25 meters
3	CO- Location Room	3.04 meters	10.52 meters	4.25 meters
4	Enterprise Cloud Room	3.04 meters	10.38 meters	11.98 meters
5	CT Room	3.04 meters	18.95 meters	5.43 meters
6	O & M Room	3.04 meters	3.77 meters	5.43 meters
7	Fire Suppression Room	3.24 meters	2.43 meters	5.43 meters
8	Passage	3.04 meters	25.83 meters	1.8 meters

Conclusion

The specified fire suppression system provides an internationally compliant, reliable, and effective solution for protecting telecommunications facilities. By utilizing clean-agent total flooding technology and early fire detection, the system minimizes equipment damage, reduces service downtime, and ensures compliance with globally recognized fire safety standards.

Declaration by the Accounting Officer

I declare that the procurement is based on neutral and fair technical requirements and bidder qualifications.

PP



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Annex E
Draft Contract
Special Conditions of Contract

Procurement Reference Number: CBTD 16-26

The clause numbers given in the first column correspond with the relevant clause number of the General Conditions of Contract.

GCC reference	Special Conditions
GCC 7.5	Eligible Countries: Goods from all countries are eligible.
GCC 8.1	Notices: Any notice shall be sent to the following addresses: For the Procuring Entity, the address shall be as given in the Contract document and the contact shall be Jennifer Makonise at TelOne Runhare House, 107 Kwame Nkrumah Harare, 8 th Floor. For the Contractor, the address shall be as given in the Bid and the contact shall be <i>{state name of contact}</i>
GCC 19.1	Liquidated Damages: Liquidated Damages in terms of section 88 of the Act shall apply. In the case of delays in the delivery of goods, the Contractor will be liable to pay damages of 0.5% of contract price per week of delay up to a maximum of 10% of contract value. If 10% is exceeded, the contract may be cancelled NB. The contractor will not be charged liquidated damages when the delay in delivery or performance is beyond the contractor's control and is not caused by fault or negligence on the part of the contractor.
GCC 21.2	Packing, Marking and Documentation: The goods shall meet the following special packing requirements in addition to the general requirements stated in GCC clause 21.1 : Items should be wrapped to secure against damages either in cardboard boxes or any reasonable package
GCC 22.1	Insurance: The Goods shall be fully insured until full delivery is accepted.
GCC 23.1 & 23.2	Inspections and tests: The Purchaser shall have the right at any time to inspect work being undertaken in terms of this contract and to reject such work if it is found to be defective or inferior in quality or in non-compliance to the specifications of the Contract. Should any work be so rejected, then the contractor, shall replace or make good to the satisfaction of the Purchaser, at his own expense, without alteration to any of the Contractor's liabilities and obligations under the contract.

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GCC reference	Special Conditions
	<p>Before proceeding to execute any work, the contractor shall, if so requested, obtain the Purchaser's approval of the manner in which the Contractor proposes to carry out any part of the work and shall furnish any drawing or information the purchaser shall require.</p> <p>The Contractor shall afford the Purchaser all reasonable facilities as may be required to carry out inspections. Any work rejected by the Purchaser shall be marked or segregated in a manner satisfactory to the Purchaser to ensure its identification as rejected work.</p>
GCC 24.1	Performance security: The Contractor shall provide a performance security of 10% of the Contract Price. The performance security shall be denominated in the currency of the Contract and issued by a Bank located in Zimbabwe or a foreign Bank through correspondence with a Bank located in Zimbabwe or from another financial institution acceptable to the Procuring Entity. The format shall be based on the template following the Special Conditions of Contract in this Part.
GCC 24.4	Reduction of performance security: Performance security will not be deducted until full delivery.
GCC 25.1	Warranty: The period of the warranty shall be 12 months.
GCC 25.6	Failure to remedy a defect: The period allowed to the Contractor to remedy a defect during the period of the Warranty shall be 1 month
GCC 29.1	Price adjustments: Any price adjustments will be upon agreement by both parties.
GCC 30.1	Terms of Payment: The structure of payments shall be: 30days

**BIDDING DOCUMENT FOR THE FIRE SUPPRESSION SYSTEM AT THE
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PART 3: CONTRACT

Annex F

Bid-Securing Declaration

{The Bidder must fill in this Form in accordance with the instructions indicated, where it has been stated in the Bidding Procedures that a Bid-Securing Declaration is a requirement of bidding}.

Procurement Reference number: CBTD16-26

Date: [date (in day,
month and year format)]

Bidder's Reference Number:

To: {full name of Procuring Entity}

We, the undersigned, declare that:

We understand that, according to the terms and conditions of your bidding documents, bids must be supported by a Bid-Securing Declaration.

We accept that we may be debarred from bidding for any framework agreement with a Procuring Entity in Zimbabwe for a period of time to be determined by the Authority, if we are in breach of our obligation(s) under the bidding conditions, because:

- (a) we have withdrawn our Bid during the period of Bid validity; or
- (b) having been notified of the acceptance of our Bid by the Procuring Entity during the period of bid validity, we fail or refuse to execute the framework agreement.

We understand this Bid Securing Declaration will expire if we are not the successful Bidder, either when we receive your notification to us of the name of the successful Bidder, or twenty-eight days after the expiration of our Bid, whichever is the earlier.

Signed Name:	
In capacity of: Date (DD/MM/YY) Duly authorised for and on behalf of:	
Company	
Address:	
.....	
Corporate Seal (where appropriate)	

{Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all the partners to the Joint Venture that submits the Bid.