(PRIVATE) LIMITED

INVITATION TO DOMESTIC COMPETITIVE BIDDING CMED07/DOM/2022: FOR SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF CCTV AND VEDIO MANAGEMENT SYSTEM (VMS)

COMPULSORY SITE VISIT MEETING DATE AND TIME: 20 SEPTEMBER 2022 @ 1100HRS

CLOSING DATE AND TIME : 29 SEPTEMBER 2022 @ 1000 HOURS

BIDDING DOCUMENT: SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF CCTV AND VEDIO MANAGEMENT SYSTEM (VMS)

PROCUREMENT REFERENCE NO: CMED07/DOM/2022

PROCURING ENTITY:CMED (PVT) LTD

DATE OF ISSUE: 02 SEPTEMBER 2022

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BIDDING **D**OCUMENT FOR **THE SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF CCTV AND VEDIO MANAGEMENT SYSTEM (VMS)**

PROCUREMENT **R**EFERENCE **N**O**: CMED 07/DOM/2022**

PART 1: BIDDING PROCEDURES

References:

References to the Act are to the Public Procurement and Disposal of Public Assets Act [*Chapter22:23*] and references to the Regulations are to the Public Procurement and Disposal of Public Assets (General) Regulations (Statutory Instrument No. 5 of 2018). The terms and requirements in the Act and Regulations govern the submission of Bids and should be read by the bidder.

Procurement Reference Number: CMED07/DOM/2022

Preparation of Bid

You are requested to bid for the supply of the goods specified in the Statement of Requirements below, by completing and returning the following documentation and requirements:

1. the Bid Submission Sheet in this Part;
2. the Statement of Requirements in Part 2;
3. Proof of registration with the Procurement Regulatory Authority of Zimbabwe
4. A copy of
    i.   *Current Tax Clearance Certificate*
    ii. *Copy of CR14 showing Company Directors*
    iii. *Certificate of Incorporation*
5. Price Validity period which is 60 days (bidder should state)
6. At least three (3) traceable trade references in the form of official letters from client companies where successful delivery of similar products was done
7. NSSA Certificate

You are advised to carefully read the complete Bidding Document, as well as the General Conditions of Contract which are available on the Authority's website, before preparing your Bid.

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.

Bid Security

The Bidder must include Bid Security of **ZWL$30,000.00 in *either*** of the following forms; **Option 1 -------- A certified Bank Cheque in the CMED (Pvt) Ltd name.**
Option 2 ---------A Bank Guarantee in the CMED (Pvt) Ltd name
Option 3 --------- A Cash Deposit to PRAZ
The bid security shall be valid for a period of 60 days after the end of the bidding period.

Any bid not accompanied by a Bid Security where this is a requirement of bidding, will be rejected by the Procuring Entity as non-responsive.

If a bidder chooses options 2 or 3, the following should be noted;

Option 2

Submission of bank guarantee

A standard bank Guarantee of **ZWL$30,000.00** which is valid for 60 days, obtainable from a reputable Registered Commercial Bank.

Please note: The required Bank Guarantee should include the following features and be redeemable in Zimbabwe in order for it to be considered valid:

1.   Letterhead of registered commercial bank (i.e. the Supplier of the Bank Guarantee

2. The Header has to clearly state that it is a Bank Guarantee.
3. Purpose of the Bank Guarantee to be clearly stated.
4. The date when the Common Seal of the said Surety was effected should be clearly shown.
5. Conditions of the said Obligations must be stated.
6. The physical address of the Surety should be given.
7. The validity period of the Bank Guarantee must be clearly stated.
8. Signature of surety and the date when it was endorsed must be clearly shown.
9. It must be an original document that is date stamped.
10. Bid Bonds from Insurance Companies are not acceptable.
11. All foreign Bank Guarantee to be confirmed by a local corresponding Commercial bank in Zimbabwe.

The Bank Guarantee of the unsuccessful bidders will be released immediately after the award of the tender while that of the winning bidder will only be released after submission of the Performance Bond as specified in the tender document section 1.9

Option 3

If **Option 3** is chosen bidders must pay **ZWL$30,000.00** for the Bid Security that shall be Refundable at the end of the bid validity period plus another **ZWL$12,000.00** that shall be non-refundable for cash bid bond establishment fee in line with Part 1V of the Procurement Regulations (S.I.5 of 2018) and Public Procurement and Disposal of Public Assets (General) (Amendment) Regulations, 2020 (No. 2). The amount is payable at Procurement Regulatory Authority of Zimbabwe (PRAZ), 76 Samora Machel Avenue, Harare or to be deposited into the following account numbers:

1. **NON-REFUNDABLE (LOCAL)**

   BANK NAME: COMMERCIAL BANK OF ZIMBABWE
   ACCOUNT NAME: PROCUREMENT REGULATORY AUTHORITY OF ZIMBABWE
   ACCOUNT NUMBER: 01121064850020
   BRANCH: KWAME NKRUMAH

2. **REFUNDABLE (LOCAL)**

   BANK NAME: COMMERCIAL BANK OF ZIMBABWE
   ACCOUNT NAME: PROCUREMENT REGULATORY AUTHORITY OF ZIMBABWE
   ACCOUNT NUMBER: 01121064850030
   BRANCH: KWAME NKRUMAH

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 must be in the names of all intended partners.

Site Visit

Bidders are required to attend a site visit meeting on **20 September 2022 at CMED (Pvt) Ltd Head Office, corner Herbert Chitepo and Rekai Tangwena , Harare at 1100Hours**. **The site visit is compulsory and it will form basis for evaluation in this regard a site visit certificate will be issued on the day.** All bidders attending must observe the COVID-19 requirements in order to be allowed into CMED premises. Please note that minutes of the site visit meeting will be circulated to all participating bidders in order to assist them to compile responsive bids.

Clarification

Clarification of the bidding document may be requested in writing by the bidder before the 26 of September 2022 and should be sent to: The Procurement Manager, CMED (Pvt) Limited, Cnr T/Tangwena & H/Chitepo, P. Bag CY 7719, Causeway, Harare

Email: tender@cmed.co.zw; cheurem@cmed.co.zw; mkwandam@cmed.co.zw

Validity of Bid

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

Submission of Bid

The bid must be submitted in writing in a sealed envelope to the address below, no later than the date and time of the deadline below.

The Bidder must mark the envelope with the Bidder's name and address and the Procurement Reference Number.

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.

A late bid will be rejected. The Procuring Entity reserves the right to extend the bid submission deadline but will notify the bidder of the amended bid submission deadline.

Date of deadline:	29 September 2022	Deadline Time:	1000hrs (CAT)
Submission address:	CMED (Pvt) Limited, Cnr R/Tangwena & H/Chitepo, Harare		
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 in a marked bid box at the CMED (Pvt) Ltd reception area.		

Withdrawal, amendment or modification of bid

The Bidder may withdraw, substitute, or modify their Bid after it has been submitted by sending a written notice, duly signed by an authorized representative. However, the bid may not be withdrawn, substituted, or modified in the interval between the deadline for submission of the Bid and the expiration of the period of Bid validity specified by the Bidder or any extension of that period.

Delivery Requirements

The delivery period required is as indicated in the Delivery Schedule in Part 2 however any other delivery period is acceptable but bidder must give their proposal.

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).

Evaluation of Bid

The bid will be evaluated using the following methodology:

1)   **Preliminary evaluation** the preliminary evaluation shall consider bidder's compliance with the tender requirements by submitting the following mandatory requirements:

	Attributes	Compliance Status Compliant – C Not Compliant – NC
1.	Signed bid submission sheet	
2.	Statement of requirements	
3.	Certificate of Incorporation	
4.	Valid bid security	
5.	CR14/CR6 showing company directors	
6.	Current Tax Clearance Certificate	
7.	Validity period of tender of 60 days (Bidder must state)	
8.	Proof of registration as a supplier with Procurement Regulatory Authority of Zimbabwe under the relevant category	
9.	Letter from company's external lawyers confirming that bidder is solvent and has legal capacity to enter into contract	
10.	Delivery Period (lead time) (bidders must state)	
11.	Payment terms (bidders must state)	
12.	Bidder must provide at least three (3) trade references in the form of official letters where successful delivery of similar products was done	
13.	NSSA Certificate	
14.	Site visit attendance	

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.

ATTRIBUTE		COMPLIANCE STATUS C- COMPLIANT NC- NOT COMPLIANT
VMS	CMED requires a Video Management System (VMS) for CMED Head Office and VIP Workshop. The nature of the fully integrated system should be capable of combining Access Control, Intruder Detection, Perimeter Detection, Fire Detection and Reporting Systems. The system should also be enterprise-wide, with a control room set-up at Head Office, capable of expanding and connecting all CMED location in provinces and districts.	
System Specifications	The required is a 64-channel recorder with the following specifications and equipment: ● core i7 processor, 32GB RAM, 2 X Video output ports, ● Windows 10-Pro-64bit ● 1 x 500GB SSD with additional 20TB Storage ● Minimum of 3-year warranty on hardware The following components are to accompany the VMS: ● 24 port PoE (Trechnet) x 8 switch; ● IP (4 megapixels) cameras being a mixture of ten (10) bullet cameras and twenty-two (22) mini domes *(To incorporate existing serviceable cameras)* ● Two 55' inch monitors: ● Desktop for client viewing software (Core i7, 16 GB RAM and 1 TB HDD)	
Technical specifications	The technical details listed below will outline the function for each selected area, these should be understood as a framework for a holistic solution as opposed to a piecemeal approach to a fully integrated system.	

ATTRIBUTE		COMPLIANCE STATUS C- COMPLIANT NC- NOT COMPLIANT
VMS IP Compliance Camera Support	The Video Management System should support the following: a) IP Explosion-proof casing/IP Explosion-proof cameras surveillance system will be deployed with analytics features supported by video management system. b) The VMS should support both Onvif-S and native camera interfaces c) While supportive of all ONVIF cameras, it is a requirement the VMS must also have native SDK based driver support for the following brands: Axis, TruVision, Pelco, Mobotix, Milesight, Flir, Dahua, HikVision d) The VMS should support multi-head IP cameras. e) The VMs should support Different 3rd Party Video encoders. f) The VMS should support MJPEG, H.264, H.265 and MxPEG camera protocols. g) The VMS to camera interface should be UPnP (universal plug and play), if the camera supports this h) The VMS should support both variable and fixed bitrate video streams. i) The VMS should support multiple video streams and video resolutions, limited only by the integrated cameras themselves j) The VMS should support 360 and 180-degree cameras, and have built-in software, which can Dewarp such cameras2342345 k) The VMS should support PTZ cameras l) The VMS should have the ability to program PTZ camera Pre-set positions and assign unique names to each Pre-set position m) The VMS should support area-zoom functions on selected cameras, enabling the camera to pan and zoom to an area selected by the user n) PTZ control priority should be allocated on a hierarchy basis as per the Access Rights level hierarchy. o) The VMS should support camera Inputs and Outputs. p) The VMS should support synchronised audio from the camera q) The VMS should support bi-directional audio. r) The VMS should be able to receive analytics events from selected cameras that offer this capability s) The VMS should enable the user to "navigate" directly to the camera URL or Webpage from the camera setup window. t) The camera should be able to be configured as a "covert" camera u) The VMS should support privacy zones, which allow the user to define areas to be masked from the operator view v) All the above requirements will not be complete without having explosion proof casing or explosion proof cameras. w) Other clarification of cameras for indoors/specific areas will be identified on the drawings.	

ATTRIBUTE		COMPLIANCE STATUS C- COMPLIANT NC- NOT COMPLIANT
Alarm Management Platform	VMS to provide for an alarm management platform which will be managed from central control rooms. a) The Alarm Management Gateway software should support both Windows and Linux operating systems. b) The Alarm Management Gateway software should receive alarms from multiple sites with multiple servers and have configurable procedures to handle them. c) The alarm gateway should perform the routing and connection management for automatic connection and streaming of video from sites, the detail of which should be determined by the specific alarm that is received d) Alarm events will have the capability to associated agreed actions/checklists for the monitoring security user, these will include user definable pre-configured reasons and free text reasons against closing any alarm, the configuration and association of these reasons against events will be user definable.	
Management Application	The system should provide a unified management client with the following features: a) Single screen providing an overview of the complete system b) Ability to zoom in areas of interest c) Implement management functions, related to the privileges of the logged-on user. d) View video related to events e) Switch video from selected cameras	
Logs	The system should maintain log files so that: a) All field device state changes and events will be logged within the system central database. b) All administrative user interaction with the system will be logged within the central database. c) All log data will be available in syslog format and consumable by 3rd Party applications	
Third party Integration	In terms of 3rd Party System Integration and as a matter of compliance, it is important to take note of the below: a) The system should have the capability to integrate 3rd-party products and devices. b) The system should not run 3rd-party integrations as plug-ins in the client of the software. c) The system should not require additional management servers to run the 3rd-party integration services. d) The system should centralise all integrations to one point in the software.	

ATTRIBUTE		COMPLIANCE STATUS C- COMPLIANT NC- NOT COMPLIANT
CCTV association with 3rd Party events	a) All site access control, intrusion, fire, perimeter and fencing events will be definable against appropriate CCTV cameras when installed. b) Any configurable event will allow for configurable CCTV interaction, including pop up display of live footage, engaging pre-configured CCTV patrols, pop up display of recorded footage (10 second delay from event etc.). c) All events configured to associate with CCTV will have an archiving ability/timeline marking to recover footage as required.	

CCTV patrolling	It should be possible to create CCTV patrol schedules which should be:
	   a. User definable for broadcast video walls/spot monitors.
	   b. Capable of autonomous, timed and event driven actions	

Recording (System Architecture)	*The video recording and management system should be managed by the Video Management software (VMS) and be of a client-server nature and comprise of the following components:*	
Recording Servers	The recording servers should manage the following: i) Management of IP cameras, network I/O devices, and video encoders. ii) Recording of video to selected storage and databases, either local or network based. iii) Managing the distribution of live video to client servers, mobile clients, and Video Walls. iv) Facilitate searching and reviewing of recorded video. v) Managing user defined or technical events, alarms, their triggers, and actions. vi) Video analytics on selected cameras. vii) ANPR and 3rd party integration setup and management. viii) Management of user access rights. ix) The system should enable multiple recording servers to be associated together to form a site. These servers may be geographically located on single or multiple physical site/s. x) There should be no requirement for a "management server". One of the recording servers is automatically designated as the "management" or "Master" server for this function. xi) There should be no requirement for a video analytics server. This function is to be performed by the recording servers. xii) Recording server software should support both Windows and Linux operating systems.	
Client Servers	The client server software should support both Windows and Linux operating systems. The client server software should facilitate the following: i) Perform all setup and configuration functions of the site, which may contain multiple recording servers.	

ATTRIBUTE		COMPLIANCE STATUS C- COMPLIANT NC- NOT COMPLIANT
	ii) Viewing and reviewing of all site cameras. iii) Connecting to the Alarm Management Gateway for alarm viewing and management of single or multiple sites. iv) Controlling the Video Wall functions via a Mimic panel. v) Configuring and managing site maps. vi) Viewing and managing ANPR and other integration databases. vii) Viewing and managing meta databases.	
Video Wall Servers	The Video Wall servers should accommodate Video Wall software to: i) Accommodate multiple servers each being able to accommodate multiple monitors, the quantity of which will depend on hardware. ii) Display up to 64 camera views on each monitor on instruction from the VMS. iii) Viewing of up to 64 video streams per monitor depending on the instructions from the VMS. iv) Run tours of cameras and tours of layouts (salvo). v) Be controlled via a Mimic Panel within the VMS client software.	
Storage and Databases	i) The system should be able to split databases across multiple disks and/or network storage devices. ii) Most common storage protocols should be supported, and include SATA, SAS, SSD, DAS, SAN, NAS, and iSCSI. iii) The system should provide a proprietary database system for video storage, and not rely on 3rd party databases (like MySQL) for this function. iv) The system should be capable of creating dedicated databases, including: ▪ General video database. ▪ Metadata (integration) database. ▪ System events database. ▪ Object classification database. ▪ All databases should be capable of the following: ▪ Playing back video from an integrated video player. ▪ Filtering and searching databases entries. ▪ Displaying overlays and/or metadata associated with the recording. ▪ Exporting database entries in either PDF or CSV file format. ▪ Archiving video and associated metadata from the integrated video player. ▪ Video ageing. Video footage in one database can be transcoded to a reduced size and stored for a longer time in a second database. ▪ Database shredding, which permanently destroys video older than the maximum days recording limit.	

ATTRIBUTE		COMPLIANCE STATUS C- COMPLIANT NC- NOT COMPLIANT
Cyber Security	To enhance security system and as a matter of compliancy, the VMS proposed should be of a different Manufacturer from the Camera, Access Control, Intrusion and Fire System Manufacturer The system should ensure secure communication between VMS components, including: ▪ Recording servers to clients. ▪ Recording servers to other recording servers. ▪ Recording servers to Video Walls. ▪ Recording servers to the Alarm Management Gateway.	
Video Analytics	While edge-based analytics are welcome, it is important to note that the VMS proposed should provide for Server based Artificial Intelligence Video analytics developed by the VMS vendor.	
	a) The VMS should provide proprietary built-in video analytics available under license as follows: i) Basic video motion detection. ii) Advanced video motion detection with dynamic background modelling and learning algorithms. iii) Motion in area. iv) No motion in area where motion is expected. v) Simple Motion Recording. vi) Object Line crossing. vii) Object direction. viii) Object speed. ix) Object Loitering. x) Object entering area. xi) Object leaving area. xii) Object classification. xiii) The system should be capable of a dedicated object classification database to store object classifications. xiv) Left object detection. xv) Camera tampering.	
	b) The VMS user interface should provide video analytics overlays to show the following: i) Video analytics activity. ii) Video analytics triggers. iii) Video analytics zones.	
	c) The video analytics algorithms should be able to initiate unique events within the VMS software	
	Alarm Management Gateway The system should provide a centralised alarm/Event Management System that enables the management of events and/or alarms from the local site or from multiple remote sites. i) The alarm management system should monitor connections to remote units via a site heartbeat at set intervals. ii) It should generate a trigger when a remote alarming unit fails to send its heartbeat.	

ATTRIBUTE		COMPLIANCE STATUS C- COMPLIANT NC- NOT COMPLIANT
	iii) The alarm interface should be access-controlled, independent of the rest of the software, and should have its own user management utility. iv) The system should display alarms in separate panels according to status: v) Incoming (awaiting handling by an operator). vi) Current (being handled by an operator). vii) Archived (already handled by an operator). viii) The system should allow incoming alarm audio notifications to be customised. ix) The system should display alarms according to priority, indicated by different colours, as configured for event alarms. x) The system should have the ability to play audio alarms according to alarm priority level. xi) Where multiple operators are handling alarms, the system should keep all operators informed as to an alarm's status, and who is handling which alarm.	
	Additional requirements: The service provider is to: a) Ensure that he/she provides steel poles for mounting cameras that are not fixed on buildings; b) Ensure that all network cables provided are CAT6; c) Ensure that all switches are powered by APC Surge Protectors; d) NVR has UPS; e) Software licencing covers not less than three (3) years; f) Provides trenching services.	

3) Financial Criteria

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

Eligibility and Qualification Criteria

Bidder is required to meet the criteria in section 28 of the Act 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, Bidder 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 under section 72 (6) of the Act and section 74(1) (c), (d) or (e) of the Regulations or declared ineligible under section 99 of the Act;

6. have the nationality of an eligible country as specified in the Special Conditions of Contract; and

7. have been registered with the Authority as a Supplier and have paid the applicable Supplier Registration Fee set out in Part III of the Fifth Schedule to the Regulations.

Origin of Goods

All goods and related services must have as their country of origin an eligible country, as specified in the Special Conditions of Contract.

Payment Terms

The contract price will be paid within thirty (30) days after the date of delivery and acceptance of goods.

Right to Reject

The Procuring Entity reserves the right to accept or reject any Bid or to cancel the procurement process and reject the bid 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 under section 99 of the Act;

2. the Authority may under section 72 (6) of the Act impose the sanctions under section 74 (1) of the Regulations; and

3. any conflict of interest on the part of the Bidder must be declared.

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:

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:	………………………………………………………………………………………		
	………………………………………………………………………………………		

PART 2: STATEMENT OF REQUIREMENTS

Name of Bidder:

Bidder's Reference Number:

List of Goods and Price Schedule

CURRENCY OF BID: US$

Lot	Description of Goods	Quantity	Unit Price	Total Price
			[*to be provided by the Bidder*]**including duty, including VAT**	[*to be provided by the Bidder*]**including duty, including VAT**
1	CCTV And Video Management System (VMS)	1		

Please note that bids should be priced in US$ only payable in ZW$ at the prevailing interbank rate at the date of payment

Delivery Schedule

Name of Bidder:

Bidder's Reference Number:

{NOTE TO BIDDERS: IF THE DELIVERY PERIOD OFFERED, OR ANY OTHER DETAILS, DIFFER FROM THE REQUIREMENTS BELOW, THIS SHOULD BE STATED IN YOUR TENDER}.

Lot	Description of Goods	Quantity	Physical Unit	Delivery Date Required by Procuring Entity and applicable INCOTERM	Bidder's offered Delivery period
					{*to be provided by the Bidder*}
1	CCTV And Video Management System (VMS)	01	Each	1-2 Weeks DDP	

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

Technical Specification and Compliance Sheet

Name of Bidder:

Bidder's Reference Number:

The Goods and Related Services must comply with following Technical Specifications and Standards:

[Column c must be completed by the Bidder to indicate the full specification of the items offered and their compliance with the specification required (in Columns a and b)]

A	B	C
Attribute	*Item description and full technical specification required (including applicable standards)*	*Confirm specification of items offered by the bidder and Compliance of items to detail in column b)*
VMS	CMED requires a Video Management System (VMS) for CMED Head Office and VIP Workshop. The nature of the fully integrated system should be capable of combining Access Control, Intruder Detection, Perimeter Detection, Fire Detection and Reporting Systems. The system should also be enterprise-wide, with a control room set-up at Head Office, capable of expanding and connecting all CMED location in provinces and districts.	
System Specifications	The required is a 64-channel recorder with the following specifications and equipment: • core i7 processor, 32GB RAM, 2 X Video output ports, • Windows 10-Pro-64bit • 1 x 500GB SSD with additional 20TB Storage • Minimum of 3-year warranty on hardware The following components are to accompany the VMS: • 24 port PoE (Trechnet) x 8 switch; • IP (4 megapixels) cameras being a mixture of ten (10) bullet cameras and twenty-two (22) mini domes *(To incorporate existing serviceable cameras)* • Two 55' inch monitors: • Desktop for client viewing software (Core i7, 16 GB RAM and 1 TB HDD)	
Technical specifications	The technical details listed below will outline the function for each selected area, these should be understood as a framework for a holistic solution as opposed to a piecemeal approach to a fully integrated system.	

VMS IP Compliance Camera Support	The Video Management System should support the following: x) IP Explosion-proof casing/IP Explosion-proof cameras surveillance system will be deployed with analytics features supported by video management system. y) The VMS should support both Onvif-S and native camera interfaces z) While supportive of all ONVIF cameras, it is a requirement the VMS must also have native SDK based driver support for the following brands: Axis, TruVision, Pelco, Mobotix, Milesight, Flir, Dahua, HikVision aa) The VMS should support multi-head IP cameras. bb) The VMs should support Different 3rd Party Video encoders. cc) The VMS should support MJPEG, H.264, H.265 and MxPEG camera protocols. dd) The VMS to camera interface should be UPnP (universal plug and play), if the camera supports this ee) The VMS should support both variable and fixed bitrate video streams. ff) The VMS should support multiple video streams and video resolutions, limited only by the integrated cameras themselves gg) The VMS should support 360 and 180-degree cameras, and have built-in software, which can Dewarp such cameras2342345 hh) The VMS should support PTZ cameras ii) The VMS should have the ability to program PTZ camera Pre-set positions and assign unique names to each Pre-set position jj) The VMS should support area-zoom functions on selected cameras, enabling the camera to pan and zoom to an area selected by the user kk) PTZ control priority should be allocated on a hierarchy basis as per the Access Rights level hierarchy. ll) The VMS should support camera Inputs and Outputs. mm) The VMS should support synchronised audio from the camera nn) The VMS should support bi-directional audio. oo) The VMS should be able to receive analytics events from selected cameras that offer this capability pp) The VMS should enable the user to "navigate" directly to the camera URL or Webpage from the camera setup window. qq) The camera should be able to be configured as a "covert" camera rr) The VMS should support privacy zones, which allow the user to define areas to be masked from the operator view ss) All the above requirements will not be complete without having explosion proof casing or explosion proof cameras. tt) Other clarification of cameras for indoors/specific areas will be identified on the drawings.	
Alarm Management Platform	VMS to provide for an alarm management platform which will be managed from central control rooms.	

A	B	C
Attribute	*Item description and full technical specification required (including applicable standards)*	*Confirm specification of items offered by the bidder and Compliance of items to detail in column b)*
	e) The Alarm Management Gateway software should support both Windows and Linux operating systems. f) The Alarm Management Gateway software should receive alarms from multiple sites with multiple servers and have configurable procedures to handle them. g) The alarm gateway should perform the routing and connection management for automatic connection and streaming of video from sites, the detail of which should be determined by the specific alarm that is received h) Alarm events will have the capability to associated agreed actions/checklists for the monitoring security user, these will include user definable pre-configured reasons and free text reasons against closing any alarm, the configuration and association of these reasons against events will be user definable.	
Management Application	The system should provide a unified management client with the following features: f) Single screen providing an overview of the complete system g) Ability to zoom in areas of interest h) Implement management functions, related to the privileges of the logged-on user. i) View video related to events j) Switch video from selected cameras	
Logs	The system should maintain log files so that: d) All field device state changes and events will be logged within the system central database. e) All administrative user interaction with the system will be logged within the central database. f) All log data will be available in syslog format and consumable by 3rd Party applications	
Third party Integration	In terms of 3rd Party System Integration and as a matter of compliance, it is important to take note of the below: e) The system should have the capability to integrate 3rd-party products and devices. f) The system should not run 3rd-party integrations as plug-ins in the client of the software. g) The system should not require additional management servers to run the 3rd-party integration services.	

A	B	C
Attribute	*Item description and full technical specification required (including applicable standards)*	*Confirm specification of items offered by the bidder and Compliance of items to detail in column b)*
	h) The system should centralise all integrations to one point in the software.	
CCTV association with 3rd Party events	d) All site access control, intrusion, fire, perimeter and fencing events will be definable against appropriate CCTV cameras when installed. e) Any configurable event will allow for configurable CCTV interaction, including pop up display of live footage, engaging pre-configured CCTV patrols, pop up display of recorded footage (10 second delay from event etc.). f) All events configured to associate with CCTV will have an archiving ability/timeline marking to recover footage as required.	

CCTV patrolling	It should be possible to create CCTV patrol schedules which should be:
	   c. User definable for broadcast video walls/spot monitors.
	   d. Capable of autonomous, timed and event driven actions	

Recording (System Architecture)	*The video recording and management system should be managed by the Video Management software (VMS) and be of a client-server nature and comprise of the following components:*	
Recording Servers	The recording servers should manage the following: xiii) Management of IP cameras, network I/O devices, and video encoders. xiv) Recording of video to selected storage and databases, either local or network based. xv) Managing the distribution of live video to client servers, mobile clients, and Video Walls. xvi) Facilitate searching and reviewing of recorded video. xvii) Managing user defined or technical events, alarms, their triggers, and actions. xviii) Video analytics on selected cameras. xix) ANPR and 3rd party integration setup and management. xx) Management of user access rights. xxi) The system should enable multiple recording servers to be associated together to form a site. These servers may be geographically located on single or multiple physical site/s. xxii) There should be no requirement for a "management server". One of the recording servers is automatically designated as the "management" or "Master" server for this function. xxiii) There should be no requirement for a video analytics server. This function is to be performed by the recording servers.	

A	B	C
Attribute	*Item description and full technical specification required (including applicable standards)*	*Confirm specification of items offered by the bidder and Compliance of items to detail in column b)*
	(xiv) Recording server software should support both Windows and Linux operating systems.	
Client Servers	The client server software should support both Windows and Linux operating systems.	
	The client server software should facilitate the following:	
	viii) Perform all setup and configuration functions of the site, which may contain multiple recording servers.	
	ix) Viewing and reviewing of all site cameras.	
	x) Connecting to the Alarm Management Gateway for alarm viewing and management of single or multiple sites.	
	xi) Controlling the Video Wall functions via a Mimic panel.	
	xii) Configuring and managing site maps.	
	xiii) Viewing and managing ANPR and other integration databases.	
	xiv) Viewing and managing meta databases.	
Video Wall Servers	The Video Wall servers should accommodate Video Wall software to:	
	vi) Accommodate multiple servers each being able to accommodate multiple monitors, the quantity of which will depend on hardware.	
	vii) Display up to 64 camera views on each monitor on instruction from the VMS.	
	viii) Viewing of up to 64 video streams per monitor depending on the instructions from the VMS.	
	ix) Run tours of cameras and tours of layouts (salvo).	
	x) Be controlled via a Mimic Panel within the VMS client software.	
Storage and Databases	v) The system should be able to split databases across multiple disks and/or network storage devices.	
	vi) Most common storage protocols should be supported, and include SATA, SAS, SSD, DAS, SAN, NAS, and iSCSI.	
	vii) The system should provide a proprietary database system for video storage, and not rely on 3rd party databases (like MySQL) for this function.	
	viii) The system should be capable of creating dedicated databases, including:	
	▪ General video database.	
	▪ Metadata (integration) database.	
	▪ System events database.	
	▪ Object classification database.	
	▪ All databases should be capable of the following:	
	▪ Playing back video from an integrated video player.	
	▪ Filtering and searching databases entries.	

A	B	C
Attribute	*Item description and full technical specification required (including applicable standards)*	*Confirm specification of items offered by the bidder and Compliance of items to detail in column b)*
	▪ Displaying overlays and/or metadata associated with the recording. ▪ Exporting database entries in either PDF or CSV file format. ▪ Archiving video and associated metadata from the integrated video player. ▪ Video ageing. Video footage in one database can be transcoded to a reduced size and stored for a longer time in a second database. ▪ Database shredding, which permanently destroys video older than the maximum days recording limit.	
Cyber Security	To enhance security system and as a matter of compliancy, the VMS proposed should be of a different Manufacturer from the Camera, Access Control, Intrusion and Fire System Manufacturer The system should ensure secure communication between VMS components, including: ▪ Recording servers to clients. ▪ Recording servers to other recording servers. ▪ Recording servers to Video Walls. ▪ Recording servers to the Alarm Management Gateway.	
Video Analytics	While edge-based analytics are welcome, it is important to note that the VMS proposed should provide for Server based Artificial Intelligence Video analytics developed by the VMS vendor.	
	d) The VMS should provide proprietary built-in video analytics available under license as follows: xvi) Basic video motion detection. xvii) Advanced video motion detection with dynamic background modelling and learning algorithms. xviii) Motion in area. xix) No motion in area where motion is expected. xx) Simple Motion Recording. xxi) Object Line crossing. xxii) Object direction. xxiii) Object speed. xxiv) Object Loitering. xxv) Object entering area. xxvi) Object leaving area. xxvii) Object classification. xxviii) The system should be capable of a dedicated object classification database to store object classifications. xxix) Left object detection. xxx) Camera tampering.	

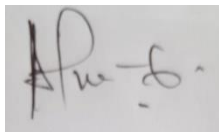| A	B	C
Attribute	*Item description and full technical specification required (including applicable standards)*	*Confirm specification of items offered by the bidder and Compliance of items to detail in column b)*
	e) The VMS user interface should provide video analytics overlays to show the following: iv) Video analytics activity. v) Video analytics triggers. vi) Video analytics zones.	
	f) The video analytics algorithms should be able to initiate unique events within the VMS software	
	Alarm Management Gateway The system should provide a centralised alarm/Event Management System that enables the management of events and/or alarms from the local site or from multiple remote sites. xii) The alarm management system should monitor connections to remote units via a site heartbeat at set intervals. xiii) It should generate a trigger when a remote alarming unit fails to send its heartbeat. xiv) The alarm interface should be access-controlled, independent of the rest of the software, and should have its own user management utility. xv) The system should display alarms in separate panels according to status: xvi) Incoming (awaiting handling by an operator). xvii) Current (being handled by an operator). xviii) Archived (already handled by an operator). xix) The system should allow incoming alarm audio notifications to be customised. xx) The system should display alarms according to priority, indicated by different colours, as configured for event alarms. xxi) The system should have the ability to play audio alarms according to alarm priority level. xxii) Where multiple operators are handling alarms, the system should keep all operators informed as to an alarm's status, and who is handling which alarm.	
	Additional requirements: The service provider is to: g) Ensure that he/she provides steel poles for mounting cameras that are not fixed on buildings; h) Ensure that all network cables provided are CAT6; i) Ensure that all switches are powered by APC Surge Protectors; j) NVR has UPS; k) Software licencing covers not less than three (3) years;	

A	B	C
Attribute	*Item description and full technical specification required (including applicable standards)*	*Confirm specification of items offered by the bidder and Compliance of items to detail in column b)*
	l) Provides trenching services.	

The detailed technical evaluation will examine the technical specification of the items offered in column c and determine whether this meets the minimum specification in column b. Bidders must complete column c or their tender will be rejected.

Declaration by the Accounting Officer

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

…………………………………………………………..

PART 3 CONTRACT

BIDDING **D**OCUMENT FOR **THE SUPPLY, DELIVERY, INSTALLATION AND MAINTENANCE OF CCTV AND VEDIO MANAGEMENT SYSTEM (VMS)**

PROCUREMENT **R**EFERENCE **N**O: CMED 07/DOM/2022

Contract Agreement

Procurement Reference:

THIS CONTRACT AGREEMENT is made the *[insert: date]* day of [*insert: month*], [*insert: year*].

BETWEEN

(1)   ***CMED(PRIVATE)LIMITED,*** *a company registered in term of the laws of Zimbabwe, of* and having its principal place of business at *Corner Herbert Chitepo Avenue & Rekai Tangwena Street, Harare,* (hereinafter called "the Procuring Entity"), and

(2)   *[insert name of Contractor]*, a corporation incorporated under the laws of *[insert: country of Contractor]* and having its principal place of business at *[insert full postal address of Contractor]* (hereinafter called "the Contractor").

WHEREAS the Procuring Entity invited Bids for certain Goods and ancillary services, viz., ***S**UPPLY, **D**ELIVERY, **INSTALLATION AND MAINTENANCE OF CCTV AND VEDIO MANAGEMENT SYSTEM (VMS) AT CMED** Office* and has accepted a Bid by the Contractor for the supply of those Goods and Services in the sum of *[insert Contract Price in words and figures, expressed in the Contract currency]* (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1.   In this Agreement words and expressions shall have the same meanings as are assigned to them in the General and Special Conditions of Contract referred to below.

2.   The following documents shall constitute the Contract between the Procuring Entity and the Contractor, and each shall be read and construed as an integral part of the Contract:

(a)   This Contract Agreement;

(b)   Special Conditions of Contract;

(c)   General Conditions of Contract;

(d)   Technical Requirements (including Schedule of Requirements and Technical Specifications);

(e)   The Contractor's Bid, original Price Schedules and Delivery Schedule;

(f)   The Procuring Entity's Notification of Contract Award;

(g)   *[Add here any other document(s)].*

3.   This Contract Agreement shall prevail over all other Contract Documents. In the event of any discrepancy or inconsistency within the Contract Documents, then the documents shall prevail in the order listed above.

4.   In consideration of the payments to be made by the Procuring Entity to the Contractor as mentioned below, the Contractor hereby agrees with the Procuring Entity to provide the Goods and Services and to remedy any defects in them in conformity with the Contract.

5.   The Procuring Entity hereby agrees to pay the Contractor in consideration of the provision of the Goods and Services and the remedying of any defects in them, the Contract Price or such other sum as may become payable under the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Zimbabwe on the day, month and year indicated above.

For and on behalf of the Procuring Entity

Signed:	………………………………………..
Name:	
In the capacity of:	*[Title or other appropriate designation]*

For and on behalf of the Contractor

Signed:	………………………………………..
Name:	
In the capacity of:	*[Title or other appropriate designation]*

General Conditions of Contract

Any resulting contract is subject to the Zimbabwe General Conditions of Contract (GCC) for the Procurement of Goods (copy available on request) except where modified by the Special Conditions below.

Special Conditions of Contract

Procurement Reference Number: …………………………………

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:** 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: **Eng. D. Mhaka, Managing Director** **CMED (Pvt) Ltd** **Cnr R. Tangwena/H. Chitepo,** **Harare, Zimbabwe** **Switchboard:+263 242 759 549** For the Contractor, the address shall be as given in the Bid and the contact shall be *{state name of contact}*
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. Suitable Export packaging.
	The documents to be furnished by the Contractor are:
	1. A negotiable bill of lading when the goods are coming by sea
	2. An airway bill, when the goods are coming by Air
	3. A road consignment note, when the goods are coming by road
	4. Insurance certificate,
	<u>For Goods from outside Zimbabwe</u>
	Upon shipment, the Contractor shall notify the Procuring Entity and the insurance company in writing of the full details of the shipment. In the event of Goods sent by airfreight, the Contractor shall notify the Procuring Entity a minimum of forty-eight (48) hours ahead of dispatch, the name of the carrier, the flight number, the expected time of arrival, and the waybill number. The Contractor shall email and then send by courier the following documents to the Procuring Entity, with a copy to the insurance company:
	(i) one original and two copies of the Contractor's invoice, showing the Procuring Entity as the consignee; the Contract number, Goods description, quantity, unit price, and total amount. Invoices must be signed in original;
	(ii) one original and two copies of the negotiable, clean, on-board through bill of lading marked "freight prepaid" and showing Procuring Entity as the consignee and Notify Party as stated in the Contract, with delivery through to final destination as per the Schedule of Requirements and two copies of non-negotiable bill of lading, road consignment note, truck or air waybill, or multimodal transport document, marked "freight prepaid" and showing delivery through to final destination as per the Schedule of Requirements;
	(iii) two copies of the packing list identifying contents of each package;
	(iv) copy of the Insurance Certificate, showing the Procuring Entity as the beneficiary;
	(v) one original of the manufacturer's or Contractor's Warranty Certificate covering all items supplied;
	(vi) original copy of the Certificate of Inspection furnished to the Contractor by the nominated inspection agency and six copies *[pre-shipment inspection is not required]*;
	For Goods from within Zimbabwe
	Upon or before delivery of the Goods, the Contractor shall notify the Procuring Entity in writing and deliver the following documents to the Procuring Entity:
	(i) one original and two copies of the Contractor's invoice, showing the Procuring Entity, the Contract number, Goods' description, quantity, unit price, and total amount. Invoices must be signed in original;

(ii)   two copies of delivery note, road consignment note, truck or air waybill, or multimodal transport document showing Procuring Entity as the consignee and delivery through to final destination as stated in the Contract;

(iii)   copy of the Insurance Certificate, showing the Procuring Entity as the beneficiary;

(iv)   four copies of the packing list identifying contents of each package;

(v)   one original of the manufacturer's or Contractor's Warranty certificate covering all items supplied;

(vi)   original copy of the Certificate of Inspection furnished to the Contractor by the nominated inspection agency and six copies (where inspection is required);

The above documents shall be received by the Procuring Entity before arrival of the Goods and, if not received, the Contractor will be responsible for any consequent expenses.

GCC reference	Special Conditions
GCC 22.1	**Insurance:** The Goods shall be insured **in accordance with the specified Incoterms.**
GCC 23.1 & 23.2	**Inspections and tests:** the tests and/or inspections of the Goods and Related Services that the Contractor is required to carry at its own expense are:100% inspection on technical compliance.
GCC 24.1	**Performance security:** The Supplier shall provide a performance security (bond) amounting to 10% of the contract price by submitting to the Purchaser, a bank guarantee endorsed by a registered Commercial Bank in Zimbabwe within 14 (fourteen) days of contract signature.
GCC 24.4	**Reduction of performance security.**
GCC 25.1	**Warranty**: The period of the warranty shall be **3 years/100 000km**
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 **30 days**.
GCC 29.1	**Price adjustments:** The following price adjustments are applicable. When the application of price adjustment would modify the initial price by more than twenty per centum or would modify the balance owing under the contract by more than twenty per centum, the procuring entity may terminate the contract
GCC 30.1	**Terms of Payment:** The structure of payments shall be: **Acceptance:** In the event that advance payment is required, the Contractor must avail a bank guarantee of the equivalent amount from a reputable registered commercial bank redeemable in Zimbabwe.
GCC 31.1	**Contract Administration Fee:** The Contract Administration Fee set out in Part V of the Fifth Schedule of the Regulations is due upon the signing of the Contract and the applicable Fee is ………..