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**High Commission of India
Pretoria**

**Supply, installation and commissioning of CCTV cameras system at High
Commission of India Chancery and India House
in Pretoria**

- Bid submission start date** : **September 02, 2024 from 0900 hrs.**
- Bid submission end date** : **September 23, 2024 till 1700 hrs.**
- Validity of bids** : **180 days**

**The High Commission of India
Pretoria, South Africa**

TENDER NOTICE

Tender Reference Number: PRE/ESTT/815/4/2023

Subject: Supply, installation and commissioning of CCTV cameras system at High Commission of India Chancery (852 Francis Baard Street, Arcadia-0083, Pretoria) and India House (298 Mons Road, Victoria Close, Waterkloof, Pretoria) in Pretoria.

The High Commission of India, Pretoria invites bids from companies/firms for supply, installation and commissioning of CCTV cameras at the above-mentioned location.

Date of Publication	23.08.2024 on High Commission's website, CPPP and local Newspaper.
Pre-Bid Meeting	1100 hrs on 30.08.2024 at High Commission of India Pretoria (852 Francis Baard Street, Arcadia-0083, Pretoria).
Start Date for submission of Bids	0900 hrs on 02.09.2024 at High Commission of India Pretoria (852 Francis Baard Street, Arcadia-0083, Pretoria).
Last Date for submission of Bids	1700 hrs on 23.09.2024 at High Commission of India Pretoria (852 Francis Baard Street, Arcadia-0083, Pretoria).
Technical Bid Opening	1100 hrs on 24.09.2024 at High Commission of India Pretoria (852 Francis Baard Street, Arcadia-0083, Pretoria).
Financial Bid Opening	1100 hrs on 30.09.2024 at High Commission of India Pretoria (852 Francis Baard Street, Arcadia-0083, Pretoria).

Contact Details:

Head of Chancery, High Commission of India, 852 Francis Baard Street, Arcadia-0083, Pretoria

Phone: 012 342 3748, Email: - hoc.pretoria@mea.gov.in

High Commission of India, Pretoria

Notice Inviting Tender (NIT) for supply, installation and commissioning of CCTV cameras system at High Commission of India Chancery (852 Francis Baard Street, Arcadia-0083, Pretoria) and India House (298 Mons Road, Victoria Close, Waterkloof, Pretoria) in Pretoria.

1. Sealed tenders in conformity with detailed tender call notice are invited from Security Agencies/ Firms who meet the following criteria: -

1.1. The service provider should be authorised to provide above services.

1.2. Previous experience of having provided similar services for at least two other Embassies/Government agencies.

2. The Security Agencies/ Firms having good track record and relevant experience are eligible to apply. This tender document can also be downloaded from High Commission of India website: <https://www.hcipretoria.gov.in/tenders/> and e-publishing portal of Government of India at <https://eprocure.gov.in>. The tender should be submitted in **ONE SEALED ENVELOPE** in the following manner:

2.1. **The first sealed cover should be superscribed 'Technical Bid' and should contain all relevant information showing compliance with the technical requirements listed in this document with all supporting documents.** Product details shall also be indicated in technical bids. The financial bids would be opened in respect of those bidders, whose technical bids have been found meeting given eligibility conditions/ specification. **The check- list of documents to be submitted along with technical bid is placed at Appendix-I.**

2.2. **The second sealed envelope should be superscribed 'Financial Bid' and should contain the duly filled in proforma placed at Appendix - VI.** The financial bids should clearly mention the unit price, Rate (Unit Price x Quantity), any other expenditure, VAT and the total cost in ZAR only.

Technical and the Financial bids should be only in English language.

2.3. Both the sealed covers should be placed in ONE SEALED ENVELOPE superscribed **"SUPPLY, INSTALLATION AND COMMISSIONING OF CCTV CAMERAS SYSTEM AT HIGH COMMISSION OF INDIA CHANCERY (852 FRANCIS BAARD STREET, ARCADIA-0083, PRETORIA) AND INDIA HOUSE (298 MONS ROAD, VICTORIA CLOSE, WATERKLOOF, PRETORIA)** and sent by post or hand delivered latest by 23.09.2024 till 1700 hrs. **All three envelopes should bear contact details of the company at the bottom left of the envelope.** The bids will be

opened in the presence of the bidders or their authorised representatives at the High Commission of India, **852 Francis Baard Street, Arcadia-0083, Pretoria on 24.09.2024 at 1100 hrs.** and financial bids of only technically qualified bidders at **1100 hrs on 30.09.2024.** Tenders received after the due date and time or incomplete and conditional tenders shall not be accepted. Submission of more than one tender paper by a bidder for a particular work will render the bid liable for rejection.

3. Scope of Work: Supply, installation and commissioning of CCTV of reputed make (Appendix- IV A and Appendix-IV B) at following locations.

Sl. No.	Location	Service Required
1.	High Commission of India Chancery 852 Francis Baard Street, Arcadia-0083, Pretoria	Supply, installation and commissioning of 18 CCTV cameras as mentioned in Bill of Quantity (Appendix- IV A)
2	India House 298 Mons Road, Victoria Close, Waterkloof, Pretoria	Supply, installation and commissioning of 12 CCTV cameras as mentioned in Bill of Quantity (Appendix-IV B)

Note: The deployment plan for installation of CCTV cameras system may be collected from High Commission of India, Pretoria by the authorised representative of the company after submitting a non-disclosure certificate.

4. Description of Services to be Rendered:

4.1. Supply, installation and commissioning of quality CCTV cameras system followed by necessary training to Mission's officials.

4.2. Prompt response (within six hours of complaint made) during warranty of the product i.e. upto 5 years from the date of commissioning.

4.3. To implement any recommendation by the client to upgrade the system/ services provided on mutual consent.

5. Technical Requirements: Technical conditions for the Security Services Agencies/Firms are as follows:

5.1. The Agency should provide proof of compliance as regards local laws and statutory regulations.

5.2. The company selected for supply and installation of CCTV system will have to sign a non-Disclosure agreement prior to commissioning of the system. The agency shall not divulge or disclose to any person, any details of this office,

operational process, technical know-how, security arrangements and administrative/ organizational matters as all are of confidential nature.

5.3. The agency is to carry out above work through technicians who have been vetted by the local Government in terms of past record, character and antecedents. Background details and proof of vetting should be provided to the client.

5.4. The agency should have provisions for real time checks of functioning of the CCTV system to ensure that the quality service is rendered.

5.5. Defect Liability Period will be 05 years from the commissioning of the system. No charges shall be paid for any repair/replacement during this period.

5.6. Upon successful installation and commissioning of the CCTV system, it shall be incumbent on the company to impart training to the officials who would operate the system.

5.7. The Client shall not be liable for any loss, damage of any personal belongings, equipment or vehicles of the personnel of the agency while executing the work.

5.8. That the agency on its part and through its own resources shall ensure that the goods, material and equipment etc. of this Mission are not damaged in the process of carrying out the work undertaken by it. The company shall also be responsible for acts of commission and omission on the part of its staff and its employees. If the client suffers any loss or damage on account of negligence, default or theft on the part of the employees/ agents of the agency, then the agency shall be liable to reimburse to the Client for the same. The agency shall keep the Client fully indemnified against any such loss or damage. The responsibility and liability that will arise of any accident or casualty, occurring during the course of working to any staff engaged by the agency, will remain with the agency. The Client will no way be responsible for this or any other clause mentioned above.

6. Approximate cost of tender- The Tenderer shall examine the scope of work and other Documents and *all Addenda* (if any) before submitting his Tender and shall become fully aware of the extent, quality, type and character of operations involved in the supply. The Tenderer shall visit and acquaint himself with the site of the installation. The tenderer shall take entire responsibility in the interpretation of this report and of the site conditions. No consideration or compensation will be given for any alleged misunderstanding of the nature of the work to be executed.

7. Warranty Period:

7.1 The products shall have 05 years OEM warranty from the date of commissioning of CCTV system.

7.2 The service warranty shall also be 05 years from the date of commissioning of the CCTV system and it shall be co-terminus with the product warranty.

8. Earnest Money Deposit (EMD):

8.1 All Bidders are required to deposit 2% of the total bid value as Earnest Money Deposit (EMD) in form of "Pay Order, Demand Draft or Bank Transfer (Banking details given below) or bank Guarantee from any reputed bank in South Africa" in favour of "High Commission of India, Pretoria". **Bids received without EMD will not be considered and rejected summarily.** EMD of unsuccessful bidders shall be refunded within 30 days of awarding the tender. No interest shall be payable for EMDs.

Banking details:

Name : High Commission of India Pretoria

A/c No : 51060072414

Branch code : 251345

Bank Name : First National Bank

Branch Address : Brooklyn, Pretoria

Reference : Company name (in short), CCTV EMD

9. Performance Guarantee Bond (PGB):

9.1 Performance Guarantee Bond is mandatory. The successful bidder, must send its acceptance in writing along with Performance Guarantee Bond @ 5% of the contract value shall be submitted in the form of Bank Guarantee as Performance Guarantee which should be remained in force till the Warranty period is over. If successful bidder fails to submit the Performance Guarantee Bond @ 5% of the contract value within 15 days from the date of placing of purchase order then purchase order will be cancelled and EMD will be forfeited. No interest shall be paid on Performance Security. No interest shall be payable for PGB.

9.2 Performance Guarantee Bond shall be for the due and faithfully performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded or agreed to between the successful tenderer and the purchaser under the terms & conditions of acceptance to the tender. The successful tenderer is entirely responsible for due performance of the contract in letter and spirit and all other documents referred to in the acceptance of tenders. The PBG shall be kept valid

during the period of contract and shall continue to be enforceable for a period upto warranty period i.e. 5 years from the date of order acknowledge.

10. Financial quote & variations: Contractor shall quote his Fixed Price based on the enclosed Scope of Work. The Contractor shall note that the price quoted by him in the Bill of Quantities (BOQ) (Appendix-IV A & Appendix-IV B) shall be considered as the final quote for completing the scope of work defined in this document. Before submission of bid the contractor is advised to visit the site and ensure that his bid encompasses the items required for entire scope of work. No variation shall be paid to the contractor for the defined scope of work.

11. Commencement & Completion: Commencement of the works shall be affected within 30 days from the issue of acceptance letter or letter of intent. Such 30 days period may be defined as the mobilisation period. The period of completion for whole work is 45 days and shall be calculated from the date of commencement of works.

12. Right to Acceptance or Rejection of Tenders: The tender is liable to be rejected *inter-alia*: -

12.1 If it is not in conformity with the instructions and proforma mentioned in the tender paper.

12.2 If it is not duly signed by the bidder.

12.3 If it is received by telex, telegram, email and any other mode of open communication.

12.4 If it is received after the expiry of the due date and time.

13. High Commission of India reserves the right to:

Accept/Reject any of the tenders in full or part thereof. Revise the requirement at the time of placing the order. Add, modify, relax or waive any of the conditions stipulated in the tender specification wherever deemed necessary. Reject any or all the tenders in part or full without assigning any reason thereof.

14. Arbitration: Disputes shall be settled in accordance with The United Nations Commission on International Trade Law (UNCITRAL). The venue of Arbitration shall be Delhi High Court, New Delhi, India.

**CHECK-LIST OF DOCUMENTS TO BE SUBMITTED ALONG WITH
TECHNICAL BID**

Sl. No.	Document to be Submitted	Submitted	Not Submitted	Remarks
1.	Copy of Authorisation to undertake the work in South Africa			
2.	Copy of Registration with appropriate Department of South Africa			
3.	List of clients including at least two Embassies / Government agencies indicating period of work executed with them, as a proof of experience in this field and reference thereof			
4.	Undertaking by the bidder (Refer to Appendix-II)			
5.	List of Approved Camera brands (Appendix-III)			
6.	Bill of Quantity (BoQ) in Appendix- IV A and Appendix- IV B			
7.	Compliance as per specifications sheets attached in Appendix-V (A to L)			
8.	Whether the terms and conditions in the tender notice are acceptable to the bidder			
9.	Whether the firm is blacklisted by any government organization / country. A self- declaration by the firm on its letter head, in this regard, to be enclosed			
10	Any other supporting document			

Signature of Bidder

Seal of Establishment

Full Name of Bidder with address & Date

UNDERTAKING BY THE BIDDER

This is to certify that I/we before signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself/ourselves to abide by them. I/we further certify that I/we have the ability to meet all the technical conditions and requirements listed in this tender document.

Signature of the Bidder with Seal

Name: _____

Designation: _____

Address: _____

Phone No. _____

List of approved Camera brands

Sl. No.	Brands
1.	Axis Communication
2.	Mobotix
3.	Arecont Vision
4.	Wavesys Global
5.	Wiska

Note:- It would be compulsory for the bidders to-

- (i) Quote cameras from above mentioned brands only.*
- (ii) All unused ports of switches shall be blocked.*
- (iii) Poles shall be used wherever necessary for mounting.*

Bill of Quantity (BoQ): Chancery

S. No.	Equipment	Specification	Number
1.	4 MP Fixed Bullet Cameras	As per Annexure A	12
2.	2 MP Dome Cameras	As per Annexure B	3
3.	2 MP Dome Camera	As per Annexure C	1
4.	PTZ Camera	As per Annexure D	1
5.	Omni/ Multi Directional Camera	As per Annexure E	1
6.	Switches- 8 port, 16 port and 24 port	As per Annexure F-A	As per actuals
7.	Server	As per Annexure G	1
8.	Video Management Software (VMS)	As per Annexure H	One for 32 Cameras
9.	Work Stations	As per Annexure I	3
10.	Passive Items	As per Annexure J	As per actual
11.	Display/ Viewing Screens	42" LED display or Plasma display for viewing 4K feeds	5
12.	UPS	As per power requirements	As per actuals

Bill of Quantity (BoQ): India House

S. No.	Equipment	Specification	Number
1.	4 MP Fixed Bullet Cameras	As per Annexure A	12
2.	Switches- 8 port, 16 port and 24 port	As per Annexure F-B	As per actuals
3.	NVR	As per Annexure K	1
4.	Video Management Software (VMS)	As per Annexure L	One for upto 16 Cameras
5.	Work Stations	As per Annexure I	2
6.	Passive Items	As per Annexure J	As per actuals
7.	Display/ Viewing Screens	42" LED display or Plasma display for viewing 4K feeds	3
8.	UPS	As per power requirements	As per actuals

PROFORMA FOR SUBMITTING TECHNICAL BID

4 MP Fixed Lens Bullet Camera for viewing distance upto 40 meters

Sl. No.	Parameter	Specification	Compliance and Specification
1	Image Sensor	1/3“ Progressive CMOS or better	
2	Day/ Night Operation	Automatic switch	
3	Minimum Illumination	Colour : 0.2 lux BW: 0.05 lux or better	
4	Image Resolution	4 Mega Pixel or better	
5	Video Compression	H.264 / H.265	
6	Frame Rate	25 fps or better	
7	Stream	Dual or Above	
8	Motion Detection	Built in or IP integrated	
9	Wide Dynamic Range	120 dB or better	
10	IR	20 Mts or better	
11	Interface	RJ45 10BASE-T/100BASE-TX PoE	
12	Protocols	IPv4, IPv6, HTTP, HTTPS, SSL/TLS, DHCPv4/v6 and additional	
13	Security	User Authentication, IP Filtering and user access log	
14	Event Trigger	Motion detection and tamper detection	
15	Operating Temperature	Location specific	
16	Operating Humidity	Location specific	
17	Onvif	Should be compliant	
18	NDAA Complaint	The proposed camera should be NDAA Compliant	
19	Warranty	5 Years OEM warranty or better	

Appendix- V**Annexure- B****2 MP Dome Cameras for viewing distance upto 15 meters**

Sl. No	Parameter	Specification	Compliance and Specification
1	Image Sensor	1/3" Progressive CMOS or better	
2	Day/ Night Operation	Automatic switch	
3	Minimum Illumination	Colour: 0.2 Lux B/W": 0.04 Lux or better	
4	IR illumination	15 meter range or better	
5	Image resolution	1920 X 1080 or better	
6	Compression	H.264,H.265	
7	Frame Rate and Bit Rate	30 fps or better	
8	Stream	Dual or above	
9	Motion Detection	Built in or IP integrated	
10	Wide Dynamic Range	120 dB or Better	
11	Interface	RJ45, 10BASE-T/100BASE-TX PoE	
12	Protocols	IPv4, IPv6, HTTP, HTTPS, SSL/TLS, DHCPv4/v6 and additional	
13	Security	User Authentication, IP Filtering and user access log	
14	Event Triggers	Motion Detection and Tamper Detection	
15	Operating Temperature	Location specific	
16	Operating Humidity	Location specific	
17	NDAA Complaint	The camera should be NDAA Compliant	
18	Onvif	Compliant	
19	Warranty	5 Years OEM warranty	

**4 MP Dome Cameras for halls and corridors having public access
for viewing distance upto 40 meters**

Sl. No	Parameter	Specification	Compliance and Specification
1	Image Sensor	1/3" Progressive CMOS or better	
2	Day/ Night Operation	Automatic switch	
3	Minimum Illumination	Colour: 0.2 Lux B/W": 0.04 Lux or better	
4	IR illumination	18 meter range or better	
5	Image resolution	4 megapixel or better	
6	Compression	H.264,H.265	
7	Frame Rate and Bit Rate	30 fps or better	
8	Stream	Dual or above	
9	Motion Detection	Built in or IP integrated	
10	Wide Dynamic Range	120 dB or Better	
11	Interface	RJ45, 10BASE-T/100BASE-TX PoE	
12	Protocols	IPv4, IPv6, HTTP, HTTPS, SSL/TLS, DHCPv4/v6 and additional	
13	Security	User Authentication, IP Filtering and user access log	
14	Event Triggers	Motion Detection and Tamper Detection	
15	Operating Temperature	Location specific	
16	Operating Humidity	Location specific	
17	NDAA Complaint	The camera should be NDAA Compliant	
18	Onvif	Compliant	
19	Warranty	5 Years OEM warranty	

Appendix- V
Annexure- D

PTZ Camera

Sl. No	Parameter	Specification	Compliance and Specification
1	Image Sensor	1/2.8" Progressive Scan CMOS or better	
2	Day/ Night Operation	Automatic with IR Cut Filter	
3	Minimum Illumination	Colour: 0.07 Lux B/W": 0.01 or better	
4	Optical Zoom	30 Minimum & 12X Digital Zoom, or better	
5	Lens	5-120mm or better	
6	Image Resolution	1920 X 1080 or better	
7	Compression	H.265, H.264	
8	Frame Rate and Bit Rate	Full HD 1080p 30 fps or better	
9	Motion Detection	Built in or IP integrated	
10	Electronic Shutter	1/10000 s to 1s or better	
11	Wide Dynamic Range	120 dB or Better	
12	Image Freeze on PTZ	Required	
13	Event Triggers	Motion Detection and Tamper Detection	
14	Preset Positions	100 or better	
15	Protocols	IPv4, IPv6, HTTP, HTTPS, SSL/TLS, DHCPv4/v6 and additional	
16	Security	User Authentication, IP Filtering and user access log	
17	Logs	The camera shall provide logs of latest connections, access attempts, users connected, changes in cameras etc.	
18	Interface	RJ45, 100 BASE TX	
19	Enclosure	IP66- and NEMA 4X-rate	
20	Operating Temperature	Location specific	
21	Operating Humidity	Location specific	
22	NDAA Complaint	The camera should be NDAA Compliant	
23	Onvif	Compliant	
24	Warranty	5 Years OEM warranty	

Appendix- V
Annexure- E

Omni Directional Camera

Sl. No	Parameter	Specification	Compliance and Specification
1	Cameras	2 or more	
2	Image Sensor	Each camera should have 1/2.8" Progressive Scan CMOS or better	
3	Day/ Night Operation	Yes with built in Automatic with IR Cut Filter	
4	Minimum Illumination	Colour: 0.02 Lux	
5	Lens	3-6 mm	
6	Field of view	Collectively 360°	
7	Image Resolution	No. of cameras xX1920 X 1080 (1080p)	
8	Compression	H.264 High, Baseline and Main Profiles, MJPEG H.265	
	Frame Rate and Bit Rate	Upto 25/30 fps	
9	Streams	Dual or above	
10	Motion Detection	Yes built in with multiple configurable areas in the video stream	
11	Event Triggers	Motion Detection and Tamper Detection	
12	Protocols	IPv4, IPv6, HTTP, HTTPS, SSL/TLS, DHCPv4/v6 and additional	
13	Security	User Authentication, IP Filtering and user access log	
14	Interface	RJ45, 100 BASE TX	
15	IR illumination	Four individually controllable IR with power-efficient, Range of reach 20m	
16	Enclosure	IP66-, IP67- and NEMA 4X	
17	Operating Temperature	Location specific	
18	Operating Humidity	Location specific	
19	NDAA Complaint	Should be compliant	
20	Onvif	Compliant	
21	Warranty	5 Years OEM warranty	

Appendix- V
Annexure- F - A

SEP POE Switch for Chancery

Sl. No.	Description	Specification	Compliance
1	PoE Port	24*10/100/1000 port support IEEE802.3 af/at for Chancery	
2	Switch capacity	8 Gbps or better	
3	Transmission Distance	100 - 150m	
4	Protocol standards	IEEE802.3 af/IEEE802.3 at	
5	PoE Type	End-span	
6	Network standard	IEEE 802.3, IEEE 02.3u, 802.3x, 802.3af/at	
7	Network Medium	10/100/1000 mbps 5 class and above non shielded twisted pair	
8	SFP Port	Yes	
9	Forwarding Rate	100 Mbps :14880pps/1000Mbps:1480pps	
10	MAC address	MAC Address table 8K	
11	Port function	Power priority mechanism, fast and forward, MAC IEEE802.3X Full-duplex and mode and backpressure for half -duplex mode.	
12	Indicators	Each port occupied 1 Link/Act 100 Mbps POE status Indicator, Whole power indicator.	
13	Working Temperature	Location specific. Location with sub-zero temperature should use Industrial grade switches.	

Note:- The Intellectual Property Rights for the switches should not be with a company from a country which share land border with India. Non-compliance would need prior approval.

SEP POE Switch for India House

S. No.	Description	Specification	Compliance
1	PoE Port	16*10/100/1000 port support IEEE802.3 af/at for India House	
2	Switch capacity	7 Gbps or better	
3	Transmission Distance	100 - 150m	
4	Protocol standards	IEEE802.3 af/IEEE802.3 at	
5	PoE Type	End-span	
6	Network standard	IEEE 802.3, IEEE 02.3u, 802.3x, 802.3af/at	
7	Network Medium	10/100/1000 mbps 5 class and above non shielded twisted pair	
8	SFP Port	Yes	
9	Forwarding Rate	100 Mbps :14880pps/1000Mbps:1480pps	
10	MAC address	MAC Address table 8K	
11	Port function	Power priority mechanism, fast and forward, MAC IEEE802.3X Full-duplex and mode and backpressure for half -duplex mode.	
12	Indicators	Each port occupied 1 Link/Act 100 Mbps POE status Indicator, Whole power indicator.	
13	Working Temperature	Location specific. Location with sub-zero temperature should use Industrial grade switches.	

Note:- The Intellectual Property Rights for the switches should not be with a company from a country which share land border with India. Non-compliance would need prior approval.

Server for minimum 45 days back up

Sl. No.	Description	Specification	Compliance
		14 Cameras	
1	CPU	64-bit high performance, Minimum Two Processor of 8 Core each or higher Intel/AMD CPU operating at 2.1 GHz or more with a minimum of 11 MB L3 cache or higher	
2	Memory	64 GB DDR RAM Upgradable to 1 TB	
3	Hard Drive	SAS 10k rpm or higher hot swappable Hard disk in raid 5 or 6 configuration having usable space of 75 TB or more	
4	Recording Server	Rack Mountable	
5	Fans	Normal with Redundant FANS.	
6	Network Adapter (NIC)	Dual 10/100/1000 Mbps ports.	
7	Keyboard	USB Keyboard	
8	Mouse	Optical Mouse with scroll	
9	Operating System	Licensed MS Windows Server or Linux (Latest version)	
10	Anti-Virus Software	Compatible with Windows/ Linux with offline update provision	

Note:- The Intellectual Property Rights for the server should not be with a company from a country which share land border with India. Non-compliance would need prior approval.

Video Management System (VMS)

Sl. No.	Specification	Compliance
1	The software should have inbuilt facility to store configuration of cameras.	
2	The software shall Support flexible 1/4/9/16/25 user defined Windows Split screen display mode or scroll mode on the PC/Workstation monitor or on preview monitor as per site requirement.	
3	The software shall be able to control all cameras features such as PTZ control, auto/manual focus, and color balance of camera, selection of presets, Video tour selection etc.	
4	The software is required to generate reports of stored device configuration. The control software is required to provide alarm and alarm log. The log shall be able to be archived, printed and displayed using a device filter, a device group filter and/or a time window.	
5	The software shall have user access authority configurable on per device or per device group basis. The authorized user shall have the facility to request the access of any camera and can control the camera for a reservation period. Control of camera is released after the reservation period.	
6	The system software shall provide User activity log (audit trail) with user id, time stamp, and action performed, etc.	
7	The administrator shall be able to add, edit & delete users with rights. It shall be possible to view ability/ rights of each user or the cameras which can be viewed & controlled as per the permission assigned by the administrator.	
8	The system software should provide Analytic features such as Intrusion, Motion detection and Security device Alarm etc as per site requirement.	
9	The system software shall have recording modes viz. continuous, manual, or programmed modes on date, time and camera-wise. All modes shall be disabled and enabled using scheduled configuration. It shall also be possible to search and replay the recorded images on date, time and camera wise. It shall provide on-screen controls for remote operation of	

10	PTZ cameras. It shall have the facility for scheduled recording. Different recording speeds (fps) and resolution for each recording mode for each camera shall be possible.	
11	It shall provide programmable motion detection and recording, to be defined, area -wise.	
12	The settings shall be individually configurable for each alarm and each camera, pre -record duration. This shall allow the Camera Server to capture video prior to the alarm/event, as well as after the alarm/ event. Shall be selectable from a list of values ranging between 0 seconds and 5 minutes.	
13	Data storage should be at a secure location, with strictly controlled access. The Capacity of storage should be for the period of continuous 45 days or more. For every 30 disks one spare disk needs to be configured over and above required capacity. The storage system should follow FIFO on recording.	
14	The software shall support a built-in Hardware or Software Watchdog module. Watchdog shall monitor operation of all services and automatically restart them if they are malfunctioning.	
15	The software should be able to receive alarm signal of the camera and should be able to send relay out signal through the camera.	
16	The software should provide a reporting utility for tracking but not limited to the following options. Video and images shall be stored with reports for documenting events.	
Alarms, Incidents, Operator logs, Service requests		
17	It shall be possible to get reports on past events by querying the audit databases. It shall allow the search by User Login, Entity Configuration, Incident, Alarm, Application Failure, and Equipment Failure.	
18	It shall allow passage of specific alarms to specified users rather than sending all alarms to every user	
User Facilities Covered In Application Software		
19	The client shall perform the following applications simultaneously without interfering with any of the Archive Server operations (Recording, Alarms, etc.): <ul style="list-style-type: none"> • Live display of cameras. • Control of PTZ cameras. 	

	<ul style="list-style-type: none"> • Playback of archived video. • Retrieval of archived video. • Instant Replay of live video. • Configuration of system settings. 	
20	The user applications shall provide an authentication mechanism, which verifies the validity of the user.	
21	The user shall be able to define bookmarks, the amount of time he wishes to go back from a predefined list or through a custom setup period.	
22	The user shall be allowed to add bookmarks to recorded clips of video.	
23	The user shall be able to choose and trigger an action from a list of available actions included but are not limited to: <ul style="list-style-type: none"> i. View camera in a video tile ii. View Map or procedure in video tile iii. Starting/ stopping PTZ pattern iv. Go to PTZ preset v. Sending alert messages 	
24	The user shall be capable to display all camera sequences created in the system.	
25	The user shall be allowed for unlimited cameras sequences, which can be run independently of each other on either of the monitor tiles.	
26	The user shall be able to drag and drop a camera from a tree of available cameras into any video tile for live viewing.	
27	Support digital zoom on a fixed/ PTZ camera's live and recorded video streams.	
28	The user shall be allowed to access the PTZ configuration with no need of additional hardware.	

Work Station

Sl. No.	TECHNICAL SPECIFICATIONS	Compliance
1.	Core i9 Processor 3.0GHz	
2.	Memory: 32 GB DDR RAM	
3.	Form factor: Tower	
4.	Hard Drives: 450 GB SSD and 2 TB SATA or better	
5.	Graphic Card: 2 x 4Gb Graphics card with HDMI Port	
6.	Network Adapter (NIC): Dual Integrated 10/100/1000 Mbps ports.	
7.	Keyboard: USB Keyboard	
8.	Mouse: Optical Mouse with scroll	
9.	Operating System: Licensed M S windows/ Linux	
10.	Anti-Virus Software compatible with Windows/ Linux	

CCTV Passive items (as per actuals)

Sl. No.	NETWORKING, CABLING, ETC.	Compliance
1.	CABLES	
a.	General Features:	
i.	All cables used for the project shall be supplied as under: a) ISO certified reputed cable manufacturer. b) Ensure high bandwidth, low attenuation and low losses in signal quality.	
ii.	Backbone Network up to Switches (L3 Switches to L2 Switches): OFC	
iii.	From Switches to each node (L2 Switch to Servers, Workstation, Cameras, Displays etc.): UTP Cat 6	
iv.	Laying of cable inside the building shall be in conduit and for outdoor a. Through HDPE pipe in sift soil. b. In concrete /read cutting area ,it shall be laid in GI pipe	
v.	Cable and spools shall be of flame retardant type.	
b.	Optical Fibre Cable	
i.	Optic Fibre 6 core, SMF, 9/125 micron, 1000 Mbps	
ii.	Core Diameter @ 1310 nm : 9±0.6 micro meter Cladding Diameter : 125±1.0 micro meter	
iii.	Max. Attenuation (Cables with fibres) At 1310 nm : 0.36 dB/km at 1550 nm : 0.25 dB/km	
iv.	Secondary Buffer Material : Gel filled Loose Tube	
v.	Min. Bend Radius : 20x Outer Diameter	
vi.	Fibre Core: Should be Silica Glass or equivalent	
C.	CAT 6 UTP cable	

i.	Suitable for high speed data applications, Gigabit Ethernet.	
ii.	4 pairs, easily identifiable colour -striped Outlet.	
iii.	Termination of 4 pair balanced twisted pair copper cable.	
iv.	Shall be wired straight through.	
v.	Rear protective strain relief cap.	
2	PATCH CORDS	
a.	Push & pull design with latch.	
b.	Shall be wired straight through.	
c.	Bend relief compliant boots to ensure proper CAT 6 performance.	
3	OFC PATCH CORDS	
i.	Suitable for single mode SC type fibre cable connectors with plastic moulded plug type connectors. Standard ceramic ferrules.	
4	OFC CONNECTORS	
i.	Single mode SC/LC type with push-pull mechanism, fully in compliance, with latest industry standards.	
5	OFC ADAPTORS	
i.	Suitable for single mode SC/LC type fiber cable connectors which shall be fully in compliance with latest industrial standard. It shall be with snap/latch mechanism.	
6	Light Guide Interconnect Unit(LIU)	
i.	Rack Mount Type LIU fully populated with required modules, connectors, etc. shall be supplied and installed as required.	
7	9U WALL MOUNT RACK	
a.	Portable 9U WALL Mount Rack having front Transparent Toughened glass door. The Rear door material shall be CRCA Steel.	
b.	It should consist of secure locks, keyboard tray sliding & rotary, shelf For CRT/TFT Display,	

	Support cable entry from top or bottom, vertical & horizontal managers, fan for heat dissipation, dust or water resistant and PDU power strips.	
c.	Minimum 60 Kgs Load Bearing capacity.	
8	OUTDOOR JUNCTION BOX	
a.	Protection Class: IP -55	
b.	Size: Junction Box must be of appropriate size to house different components as per CCTV system design confirming to tender specifications	
c.	Power & Earthing: The junction box shall be provided with external earthing lugs 5 socket Power termination with MCB or More	
9	Poles	
a.	GI Poles	
b.	Erection: Proper sturdy fixing, including civil/ground work.	

Appendix- V**Annexure- K****Network Video Recorder (NVR) with minimum 45 days back up (for India House)**

Sl. No.	Description	Specification	Compliance
12 Cameras			
1	Number of Licenses	Min 8 Channels expandable upto 16 channels in the same unit with up to 5 MP or better supported cameras from approved brands	
2	Video Output	HDNI, VGA/ DP	
3	Output Resolution	Min 1920.1080 or better	
4	Decoding Capacity (H.264/H.265)	60 fps @ 1080p or better	
5	Throughput	128 Mbps or better	
6	Number of drives	Min 4 drives or more	
7	Protocol supported	ONVIF Latest Profile	
8	Storage Capacity	Min 24 TB or more distributed in 4 or more drives for min 45 days recording	
9	I/O interface	ore USB 3.0 or better	
10	LAN	1 X Gigabit Port, RJ45 or better	
11	LAN Transmission Speed	100/1000 Mbps	
12	Software	Free software for live viewing upto 16 channels as per NVR	

Note:- The Intellectual Property Rights for the server should not be with a company from a country which share land border with India. Non-compliance would need prior approval.

Video Management System (VMS) for India House

Sl. No.	Specification	Compliance
1	Supply of video surveillance application software/video management software (VMS) for NVR to be provided with camera licenses suitable for all ONVIF cameras with full functionality, virtual matrix capability.	
2	VMS should have inbuilt facility to store configuration of cameras.	
3	VMS shall support flexible 1/4/8/16 user defined Windows Split screen display mode or scroll mode on the PC/Workstation monitor or on preview monitor as per site requirement.	
4	VMS shall be able to control all cameras features such as PTZ control, iris control, auto/manual focus, and color balance of camera, selection of presets, Video tour selection etc.	
5	VMS should be able to generate reports of stored device configuration. The software should alarm and alarm log. The configuration shall be able to be archived, printed and displayed.	
6	VMS should provide User activity log (audit trail) with user id, time stamp, and action performed, etc.	
7	The administrator shall be able to add, edit & delete users with rights. It shall be possible to view ability/ rights of each user or the cameras which can be viewed & controlled as per the permission assigned by the administrator.	
8	VMS shall provide a facility for any alarm input initiating any action in the VMS system	
9	VMS should provide intrusion detection, motion detection and security device alarm etc. as per site requirement.	
10	VMS should provide a reporting utility for tracking but not limited to alarms, incidents, operator logs, service requests etc. Video and images shall be stored with reports for documenting events.	
11	VMS should have capability for integration with other security equipment such as fire alarm/panel etc.	

PROFORMA FOR SUBMITTING FINANCIAL BID

Sl. No.	Description of Service	Total Cost (in ZAR)	
1.	Supply, installation and commissioning of CCTV cameras system at High Commission of India Chancery and India House in Pretoria		
2.	VAT		
3.	Grand Total (in figures)		
4.	Grand Total (in Words)		
		Submitted	Not Submitted
5.	Bill of Quantity (BoQ) as per Appendix-IV A and Appendix-IV B		

Signature of the Bidder with Seal

Seal of Establishment

Full Name of Bidder with address & Date

Note: -

(a) The bidders are required to quote their rates both in words and figures and put their signature; they should also sign on any overwriting or any correction made in the tendered rate. The rates filled in figure only and not in words shall be liable for rejection for which no paper cost shall be returned to the bidder(s).

FORMAT FOR EARNEST MONEY DEPOSIT / BID SECURITY

Brief description of contract: - **Supply, installation and commissioning of CCTV cameras system at High Commission of India Chancery and India House in Pretoria**

To,

**High Commission of India,
852 Francis Baard Street, Arcadia-0083,
Pretoria**

In accordance with your Tender No. _____ dated _____ for supply, installation and commissioning of 18 CCTV cameras at High Commission of India, 852 Francis Baard Street, Arcadia-0083, Pretoria and 12 CCTV cameras at 298 Mons Road, Victoria Close, Waterkloof Heights, Pretoria, M/s. (Name of Contractor with address) _____ submits a Bank Guarantee amounting to _____.

2. In fulfilment of the tender conditions, we, (Name of Bank with address) _____ hereby irrevocably and unconditionally undertake to pay to you within three working days of receipt of your first written demand, without any demur whatsoever and without seeking any reasons, whatsoever, up to the maximum aggregate amount of _____, which is liable to be forfeited by the Purchaser on :

- (a) The withdrawal / revision of the offer by the bidder within the validity period.
- (b) Non acceptance of the Work order / Purchase order by the Bidder when issued within the validity period, and
- (c) Failure to execute the contract as per contractual terms and condition with in the contractual delivery period.

3. This Bank Guarantee will be valid for the entire period of agreement till the expiry of warranty period (60 Months) from the date of order acknowledge. Any claim and statement hereunder must be received at the above-mentioned office before expiry. After expiry, this guarantee shall become null and void

whether returned to us for cancellation or not and any claim or statement received after expiry shall be ineffective.

4. Notwithstanding anything to the contrary contained herein above, the maximum liability under this guarantee is restricted to CFA 70000/- (CFA Seventy Thousand only).

5. Notwithstanding anything to the contrary contained herein above, this Guarantee is valid from (date of issue) _____ up to the (date after 60 months from date of issue) _____ and claims under this Guarantee should be submitted not later than (date after 60 months from date of issue) _____.

6. This Guarantee may not, without our prior written consent, be transferred or assigned and this guarantee is limited to the payment of a sum of money.

7. This Guarantee shall be governed and construed in accordance with the laws of the South Africa and shall be subject to exclusive Jurisdiction of the South Africa Courts.

Yours truly,

Signature and seal of the guarantor:

Name of Bank:

Address:

Date:

Note:- On expiry of Bond Period, the original Bond will not be returned to the Bank. Bank is requested to take appropriate necessary action on or after expiry of bond period.

FORMAT FOR PERFORMANCE GUARANTEE BOND /
PERFORMANCE SECURITY

Brief description of contract: - **Supply, installation and commissioning of CCTV cameras system at High Commission of India Chancery and India House in Pretoria**

To,

**High Commission of India,
852 Francis Baard Street,
Arcadia-0083, Pretoria**

In accordance with your Tender No. _____ dated _____ for supply, installation and commissioning of CCTV cameras at Chancery and India House of High Commission of India, 852 Francis Baard Street, Arcadia-0083, Pretoria, M/s. (Name of Contractor with address) _____ submits a Bank Guarantee Bond amounting to 5% of the contract value and valid till warranty period (60 months) from the date of issue of Performance Guarantee Bond.

2. Now this bank hereby guarantees that in the event of the said tenderer (seller) failing to abide by any of the conditions referred in tender document / purchase order / performance of the equipment / machinery, etc. this Bank shall pay to High Commission of India, Pretoria on demand and without protest or demur 5% of the contract value i.e. ZAR _____ only (in words)

3. This Bank further agrees that the decision of High Commission of India, Pretoria (Buyer) as to whether the said Tenderer (Seller) has committed a breach of any of the conditions referred in tender document / purchase order shall be final and binding. We, _____ (name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the Tenderer (Seller) and/ High Commission of India, Pretoria (Buyer).

4. Notwithstanding anything contained herein:
- (a) Our liability under this Bank Guarantee shall not exceed 5% of the contract value i.e. ZAR _____ only (in words).
 - (b) This Bank Guarantee shall be valid up to _____(date) i.e. upto warranty period; and
 - (c) We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only High Commission of India, Pretoria serve upon us a written claim or demand on or before _____(date) i.e. upto warranty period.

Yours truly,

Signature and seal of the guarantor:

Name of Bank:

Address:

Date:

Note:- On expiry of Bond Period, the original Bond will not be returned to the Bank. Bank is requested to take appropriate necessary action on or after expiry of bond period.

Non-Disclosure Agreement

This agreement is entered in to this (Date) day of (Month), (Year) between High Commission of India, Pretoria (hereinafter called as “Discloser”) and (Name of the Company with Address) (hereinafter called as “Recipient”), collectively “Party” or “Parties”.

WHEREAS the Discloser possesses certain information relating to the security set-up, security architecture, layout, security processes and procedures, designs, drawings, software and hardware configuration, computer programs, algorithms, services, customer etc. that is confidential and proprietary in nature (hereinafter called as “Confidential Information”); and

WHEREAS the recipient is bound to get to know about the Confidential Information in pursuant to the terms of the Agreement for the purpose of supply, installation, testing and commissioning of a CCTV system (hereinafter called as “Purpose”) in the (hereinafter called as “Premises”).

NOW THEREFORE, in consideration for the mutual undertakings of the Discloser and the Recipient under this Agreement, the Parties agree as follows:

1. Disclosure: Recipient agrees not the disclose and Discloser agrees to let the Recipient have the access to the Confidential Information as identified and reduced in writing or provided verbally or in any other way not reduced in writing at the time of such disclosure of the information.

2. Confidentiality:

2.1 No Use: Recipient agrees not to use the Confidential Information in any way or under any circumstances share the same, in writing or through any other means, with any Third Party.

2.2 No Unauthorized Disclosure: Recipient agrees to use its best efforts to prevent and protect the Confidential Information, or any parts thereof, from disclosure to *any person(s), or entity(ies), even if authorized or directed under any law, without the express permission of the Discloser. Discloser, notwithstanding*, shall have the right to deny such disclosure of the Confidential Information being detrimental to the security interests of the Discloser and/or its premises and employees.

2.3 **Protection and Secrecy:** Recipient agrees to take all steps necessary to protect the secrecy of the Confidential Information, and to prevent the Confidential Information from falling into public domain or into the possession of unauthorized person(s) and/or entity(ies).

2.4 Recipient agrees that the layout plan of the structural design of the Premises, whether in physical or electronic form, shall always be in the custody of the Discloser. However, the Recipient shall have the access to the layout plan for the purpose of carrying out the contract for installation of CCTV System.

3. **Notices:** All notices hereunder shall be given by letter, addressed as follows:

[Name of the Mission / Post]
[Address]

[Name of the Company]
[Address]

Attention [Insert Name]
Title: [Insert Designation]
Email: [Insert Email]
Telephone: [Insert Number]
Fax: [Insert Number]

Attention [Insert Name]
Title: [Insert Designation]
Email: [Insert Email]
Telephone: [Insert Number]
Fax: [Insert Number]

4. **Terms and Termination:** The term of this Agreement shall commence on the Effective Date i.e. *the date of signing the Agreement for the Purpose and continue for such a period until and unless the Discloser terminates the Agreement or the Premises is relocated or vacated or abandoned, whichever is earlier.*

5. **Breach:** The Recipient acknowledges that disclosure or use of Confidential Information in violation of this Agreement could cause irreparable harm to Discloser *including loss of lives and limbs of the persons and damage to the property, for which monetary damages may be difficult to ascertain or turn to be meaningless.* The Recipient therefore agrees that Discloser will have the right, in addition to its other rights and remedies, to seek injunctive relief for violations of this Agreement.

6. In case the Discloser suspects any violation of this Agreement, upon reasonable notice, it shall be binding for the Recipient to allow the Discloser to carry out an Audit by itself or by an authorized representative. In such a situation, the Recipient shall cooperate with the Discloser. *The onus to rebut the suspicion shall lie on the Recipient.*

7. Arbitration: Any dispute or differences arising out of in connection with this Non-Disclosure Agreement (NDA) shall be settled amicably by the Parties through mutual negotiations. Any unsettled dispute or difference shall be referred to Arbitration by a Sole Arbitrator. The Arbitration shall be conducted in accordance with the rules and procedures on UNCITRAL in force on the date of Agreement. Arbitration proceedings shall be held in India and will be conducted in English. The decision of Arbitral Tribunal shall be final and binding on all parties. Cost of Arbitration shall be borne by Parties themselves unless and otherwise ordered by the Tribunal.

8. This Agreement shall be governed by and constructed in accordance with the laws in force in India.

9. Miscellaneous:

9.1 Except in the event of an amalgamation or merger with or take-over by a third party of their business, neither Party may assign or transfer its rights or obligations in the Agreement without the prior written consent of the other.

9.2 The Parties do not intend that any agency or partnership or relationship be created by them by this Agreement.

9.3 All additions or modifications to this Agreement must be made in writing and signed by an authorized representative of each Party.

ACCEPTED AND AGREED

[Name of the Mission / Post]

[Name of the Company]

[Address]

[Address]

Attention [Insert Name]

Attention [Insert Name]

Title: [Insert Designation]

Title: [Insert Designation]

Email: [Insert Email]

Email: [Insert Email]

Telephone: [Insert Number]

Telephone: [Insert Number]

Fax: [Insert Number]

Fax: [Insert Number]