

OFFICE OF THE PR. ACCOUNTANT GENERAL (A&E), W.B.
TREASURY BUILDINGS, KOLKATA – 700001

NOTICE INVITING TENDER

No. Record-I/Procurement/CCTV/2024-25/96

Date: 12/12/2024

The Office of the Pr. Accountant General(A&E),W.B. invites open tenders in single bid system (Technical & Financial) in sealed covers from reputed firms/suppliers for procurement and installation of CCTV cameras (as per annexure-A) to be integrated with the existing operative system in various locations of this office. The firm/supplier should have adequate experience of at least five years as well as expertise in supplying and installation of CCTV cameras and surveillance system in the Central Govt. /State Govt. /Govt. undertakings/Autonomous Body/ reputed private offices.

All intending firms are requested to furnish their respective quotations within 26/12/2024 (till 12pm). Selected firm will have to supply and install the said new system at the locations (as per annexure B) apropos of the required technical specification of this office attached herewith and integrate with the existing operative system. The whole system (existing and new) will have to be brought in operative mode immediately within 10 working days commencing from date of issue of work order. All intending firms shall have to visit this office premises and conduct proper site inspection/survey to get themselves acquainted with the existing operative CCTV Surveillance systems consisting of both Treasury Buildings and G.I. Press Building before submission of their quotations. After bidding, no further request of site-survey from any intending firm will be entertained. Interested bidder may obtain further information from Record-I section of this office.

1. Availability of Tender Document: - (i) Complete tender documents are available on this office website: <https://cag.gov.in/ae/west-bengal/en> . Participant bidder should download it.

(ii). Last date for seeking clarification, if any, 10 days prior to scheduled date of opening of tender document. Bidders are also advised to check this office website regularly for amendments, if any.

2. Pre-qualification criteria: - All the intending firms have to fulfil the following criteria:

2.1 Earnest Money Deposit: Refundable, interest free Earnest Money Deposit (EMD) of Rs. 3500/- (Rupees Three thousand five hundred) only in the form of Demand Draft drawn in favour of **PAO (Audit), 0/o the Pr. Accountant General (A&E), W.B.** is required to be submitted. Bidders with valid MSME certificate on date of publishing of the bid are exempted.

2.2 EMD will be returned to the unsuccessful bidders after completion of tender process.

2.3. Tenders received without EMD/inadequate EMD shall be summarily rejected.

2.4 The EMD shall be forfeited:

a) If the bidder, withdraws the bid during the period of bid validity specified in the Bid.

b) If the contractor fails to commence the work within the stipulated date as mentioned in the Letter of Award.

3. Credentials of the bidder:

3.1 The bidder must have at least 1 similar experience during last 5 years for supply and installation of CCTV Surveillance System of project value of at least **Rs. 2.50 lakhs** in single contract in the Central Govt. /State Govt. /Govt. undertakings/Autonomous Body. Documents in that respect and work completion certificate must be attached.

3.2 The bidder should have valid PAN, Trade licence, GST Registration, etc. Supporting papers duly signed by the bidder should be attached.

3.3 The bidder must have a registered office/branch office situated at Kolkata and documentary evidence like PAN/GST Registration/Trade Licence/MSME reflecting Kolkata address should be submitted. Also, the firm should have work experience from Kolkata for at least 1 year during last 5 years for supply and installation of CCTV Surveillance System/AMC preferably through GeM in the Central Govt. /State Govt. /Govt. undertakings/Autonomous Body. Documents in that respect and workorder/completion certificate must be attached.

3.4. The bidder firm should not be defaulted/blacklisted/banned by any Government/Public Sector organization/department in India.

3.5. The bidder shall provide undertaking for Unconditional Acceptance of Terms & Conditions of the Tender Document on Company's Letter head signed by Authorized Signatory.

Note: (i). Bidder must provide necessary supporting documents as proof in respect of the eligibility criteria mentioned above.

(ii). All documents in respect of "Pre-qualification Criteria" should be submitted in a separate sealed cover having inscription "Pre-qualification Criteria".

4. Technical Details: -

4.1 Intending bidders should have to submit at least one certificate issued from various client offices i.e. Central Govt./State Govt./Autonomous bodies stating therein the concerned firm's performance in similar work so that this office may get a notion regarding the standard of their rendered services against the respective CCTV Surveillance System.

4.2 The OEM certificate for the offered items should have to be furnished.

4.3 The bidder(s) qualified for Technical Bid may have to appear before the committee of this office and if required, demonstration may also have to be presented

4.4 Bid shall remain valid for 120 days after the date of bid opening. The bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.

4.5 WARRANTY: - The bidder firm should provide at least one year on site comprehensive warranty for all items and accessories from the date of installation. The offering firms shall submit an undertaking to the effect that during the tenure of the warranty period, they will extend periodical visit at least once in a month to ensure proper functioning of the system installed by them.

4.6 Visit for prevention/checking/correction of the supplied CCTV system of the office by the selected bidder as a remedial measure must be conducted at least twice a month and a certificate against each such visit regarding the current status of the system mentioning the period of CCTV footage retention will have to be produced to this office.

4.7 LATE BIDS: - Bidders are advised in their own interest to ensure that bids may be submitted before the closing date and time. Any bid received after deadline for bid submission, will be rejected and will not be considered.

4.8 Bidder shall undertake to impart training to the staff nominated by this office for familiarisation of operation and functioning of the new CCTV system.

4.9 MODIFICATION AND WITHDRAWAL OF BIDS: - i. Bid withdrawal/modification shall not be allowed after end date and time of bid submission. ii. Withdrawal of a bid between the deadline for submission of bids and the expiration of the period of bid validity specified in the tender or as extended, may result in the forfeiture of the bid security. No bid may be modified after the deadline for submission of bids.

4.10 This office reserves the right to accept or reject any or all the tenders for any deviation from prevalent terms and conditions.

4.11 The specification offered may be of equivalent or higher specification duly compatible with the existing installed system.

5. Financial Details: -

5.1 Quoted rate (including GST and other taxes if any) must have the validity period for one-year w.e.f. the closing date of the bid.

5.2 The quoted rate should be inclusive of everything viz. carrying cost, installation charges, any other incidental expenses. No extra payment will be made under any circumstances.

6. Other Terms and Conditions: -

6.1 Security Deposit: - Successful bidder will require to deposit 5% of their quoted rate as "Security Deposit" in the form of Demand Draft in favour of **PAO (Audit) of O/o the Pr. Accountant General (A&E), W.B.** within 7 (seven) days from the date of being appointed as selected firm. Earlier deposited amount of Rs. 3500/- (Rupees three thousand five hundred) only as EMD may be adjusted for this purpose. The total "Security Deposit" of 5% of their quoted rate will be refunded after expiry of sixty days on completion of supply and installation of all CCTV cameras, surveillance system and accessories satisfactorily by the concerned firm.

6.2 Quotation addressed to the "Sr. Accounts Officer (Record), O/o the Pr. Accountant General (A&E), W.B., Treasury Buildings, Kolkata-700 001." should be submitted to Record-I section at 1st floor of Treasury Buildings within 12 noon on 26/12/2024. The bid will be opened at 12 noon on 27/12/2024 at the chamber of Sr. Accounts Officer (Record) of this office in presence of the participant bidders, if any.

Encl: i) Bidding sheet
ii) Annexure-A
iii) Annexure-B
iv) Technical Specifications of required accessories


12/12/24
Sr. Accounts Officer (Record)

BIDDING SHEET

Reference :- NIT NO. Record-I/ Procurement of CCTV/ 2024-25/96

dated 12/12/2024

Sl. No.	Description of Items	Brand	Quantity	Unit Rate(Rs.)	Amount (Rs.)
1	2 MP IP Dome Camera (Night Vision) H.265+		5		
2	2 MP IP Bullet Outdoor Camera (Night Vision) Weatherproof, H.265+		2		
3	Gigabit Poe Switch 08 Port10/100/1000 Mbps Switch with 1 SFP Port		1		
4	CCTV CABLE Cat 6 Cable		180 mtrs.(approx.)		
5	Cctv Cable Laying cable laying with use of PVC pipe/flexible pipe/socket/screw and other hardware		180 mtrs.(approx.)		
6	Extra Accessories if any required				
7	Installation charges				
	TOTAL COST (Both in words and numbers)				

Signature of Bidder with seal

Annexure – A

Items to be procured

Sl. No.	Description of Items	Quantity
1	2 MP IP Dome Camera (Night Vision) H.265+ (PRAMA/BOSCH/INFINOVA/AXIS)	5
2	2 MP IP Bullet Camera Outdoor (Night Vision) Weatherproof, H.265+ (PRAMA/BOSCH/INFINOVA/AXIS)	2
3	Gigabit Poe Switch 08 Port 10/100/1000 Mbps Switch with 1 SFP Port (NETGEAR/PRAMA/CISCO)	1
4	CCTV CABLE Cat 6 Cable (DLINK/FINOLEX/)	180 mtrs.(approx.)
5	Cctv Cable Laying cable laying with use of PVC pipe/flexible pipe/socket/screw and other hardware	180 mtrs.(approx.)
6	Extra Accessories if any required	

Annexure-B

Types and preferred locations of CCTV cameras

Sl. No.	No. of cameras	Location (in front of section)	Building
1.	1	EDP Pension Corridor (above Pension EDP room)	Treasury Buildings, 2 Government Place (West), Kolkata -700001.
2	2	Inside Canteen Dining Hall	
3	1	Inside Institute Hall	
4	1	Welfare corridor, near Welfare section	
5	1	In the verandah in front of DAG/Pension's chamber	
6	1	Just above the door leading to the roof of Manager's Bungalow	Manager's Bungalow, 8, K.S. Roy Road, Kolkata – 700001.
TOTAL	7		

2MP IP DOME CAMERA, H.265⁺ (NIGHT VISION)

Sl. No.	Feature	Specification
1	Image Sensor	1/2.8" Progressive Scan CMOS
2	Min. illumination	Color: 0.002Lux (AGC On), 0 Lux with IR
3	Preferred recording Resolution	2MP (1920×1080)
4	Day & Night	IR Cut Filter
5	Shutter speed	1/3 s to 1/100,000 s
6	Lens (Fixed)	2.8mm/4mm
7	Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
8	IR range	40m or higher
	IR Wavelength	850 nm
9	Streaming Type	Should Support Four streams
		Main : 50fps(1920×1080, 1280×720)
		Sub : 25fps (640×480, 640 × 360)
10	Video Compression	H.265, H.264, H.264+, H.265+
11	Bit Rate Control	CBR/VBR
12	Audio Compression	G.711ulaw /G.711alaw /G.722.1/ G.726/ MP2L2/ PCM/ MP3/ AAC
13	Image Enhancement	BLC, HLC, 3D DNR, 120dB WDR, ROI, Auto-white balance; Brightness, Contrast, Sharpness, Rotate mode
14	Day/Night Switch	Day, Night, Auto, Schedule
15	Network Protocol	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP QoS, UDP
16	API	ONVIF profile (S, G, T)
17	Edge base Recording & Network storage	Built-in Micro SD/SDHC/SDXC slot, (256GB or better), NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
18	Preferable analytics	Line crossing detection, intrusion detection, Smart Motion detection with false alarm reduction method, Unattended baggage detection, video tampering, Object removal detection, Scene change detection, Face capture
19	Ethernet Port	1 x RJ45 10M/100M Ethernet port
20	Audio interface	Built-in Microphone ; And it shall have provision for external Audio 1-in/ 1-out; Environment Noise Filtering;
21	Alarm I/O	1-in/1-out
22	Power Supply	DC12V, PoE (802.3at /af)
23	Operating Conditions	-30° C ~ + 60° C
24	Ingress Protection	IP67 (IEC 60529-2013) Ingress Protection , IK10 (IEC 62262:2002)
25	Certifications	CE, FCC, BIS/UL, Onvif

2 MP IP BULLET OUTDOOR (NIGHT VISION) CAMERA, H.265⁺ (WEATHERPROOF)

Sl. No.	Feature	Specification
1	Image Sensor	1/2.8" Progressive Scan CMOS
2	Min. illumination	Color: 0.002Lux (AGC On), 0 Lux with IR
3	Preferred recording Resolution	2MP (1920×1080)
4	Day & Night	IR Cut Filter
5	Shutter speed	1/3 s to 1/100,000 s
6	Lens (Fixed)	2.8mm/4mm
7	Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
8	IR range	40m or higher
	IR Wavelength	850 nm
9	Streaming Type	Should Support Four streams
		Main : 50fps(1920×1080, 1280×720)
		Sub : 25fps (640×480, 640 × 360)
10	Video Compression	H.265, H.264, H.264+, H.265+
11	Bit Rate Control	CBR/VBR
12	Audio Compression	G.711ulaw /G.711alaw /G.722.1/ G.726/ MP2L2/ PCM/ MP3/ AAC
13	Image Enhancement	BLC, HLC, 3D DNR, 120dB WDR, ROI, Auto-white balance; Brightness, Contrast, Sharpness, Rotate mode
14	Day/Night Switch	Day, Night, Auto, Schedule
15	Network Protocol	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP QoS, UDP
16	API	ONVIF profile (S, G, T)
17	Edge base Recording & Network storage	Built-in Micro SD/SDHC/SDXC slot, (256GB or better), NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
18	Preferable analytics	Line crossing detection, intrusion detection, Smart Motion detection with false alarm reduction method, Unattended baggage detection, video tampering, Object removal detection, Scene change detection, Face capture
19	Ethernet Port	1 x RJ45 10M/100M Ethernet port
20	Audio interface	Built-in Microphone ; And it shall have provision for external Audio 1-in/ 1-out; Environment Noise Filtering;
21	Alarm I/O	1-in/1-out
22	Power Supply	DC12V, PoE (802.3at /af)
23	Operating Conditions	-30° C ~ + 60° C
24	Ingress Protection	Weather Proof IP67 (IEC 60529-2013) Ingress Protection , IK10 (IEC 62262:2002)
25	Certifications	CE, FCC, BIS/UL, Onvif

8-port Unmanaged Giga Network PoE Switch

Sl. No.	Feature	Specification
1	Ports	8 × PoE ports (10/100/1000Mbps) ;
		1 × gigabit RJ45 port
		1 × gigabit SFP fiber optical port
2	Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, and IEEE 802.3z
3	Forwarding mode	Store-and-forward switching
4	MAC address table	4 K
5	Switching capacity	20 Gbps
6	Internal cache	1.5 Mbits
7	Packet forwarding rate	14.88 Mpps
8	PoE standard	IEEE 802.3af, IEEE 802.3at
9	Max. port power	30 W
10	PoE power budget	110 W
11	Max. power consumption	120 W
12	Surge Protection	PoE port with 6 KV surge protection.
13	Operating temperature	0°C to 40°C
14	Storage temperature	-40°C to 85°C
15	humidity	5% to 95% (no condensation)
16	Power supply	100 to 240 VAC, 50/60 Hz or suitable Power adapter

Technical Specification - UTP Cat6 Cable

Sl. No.	Specification :	
1	Unshielded Twisted 4-Pair Copper (UTP) cable of Category 6 (CAT6)	
2	Conforming to ANSI/TIA-568-C.2, ISO/IEC11801	
3	Material	Solid-Bare Copper.
4	Insulation	HDPE (high density Poly Ethylene)
5	Sheath	PVC, RoHS compliant
6	Conductor	Bare copper with Min. 99.9% pure
7	Core	23AWG
8	Electrical Characteristics (20°C)	DC Resistance ($\Omega/100m$) ≤ 9.3
9	Packaging Length	305m