



The Institution of Engineers (India)

(ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1935)

West Bengal State Centre

8, GOKHALE ROAD, KOLKATA- 700020

A Century of Service to the Nation

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NIQ No. IEI/WBSC/TND/2025-26/01

SUPPLY, INSTALLATION AND COMMISSIONING CLOSED CIRCUIT TELEVISION NETWORK SYSTEM & BIO-METRIC BASED ATTENDANCE SYSTEM

1. Sealed Bids in two part bid system (Technical and Financial) for “**Supply, Installation and Commissioning Closed Circuit Television Network System & Bio-Metric Based Attendance System**” at West Bengal State Centre, The Institution of Engineers (India), 8 Gokhale Road, Kolkata - 700020 are invited.
2. Tender document comprising full detail and terms and conditions etc. may be obtained by hand or can be downloaded from the websites by post from the Superintendent of the Centre.
3. Technical requirement and Bill of Quantities are indicated in the ANNEXURE – I of this NIQ. However, interested Bidders are requested to visit the premises and estimate the quantities of items which are subject to variation, such as Cables, Pipes, etc., before submission of the Bid.
4. In case Bidder(s) seek any clarification on any item of this NIQ, they need to send their queries to:

HONORARY SECRETARY
West Bengal State Centre
The Institution of Engineers (India)
8 Gokhale Road
Kolkata - 700020

5. Technical Bid(s) shall be accompanied by the supportive documents of the credential of the Bidder(s).
6. Bid(s) shall be addressed to:

HONORARY SECRETARY
West Bengal State Centre
The Institution of Engineers (India)
8 Gokhale Road
Kolkata - 700020

7. Sealed Bids shall be submitted to:

Superintendent
West Bengal State Centre
The Institution of Engineers (India)
8 Gokhale Road
Kolkata - 700020

The last date of submission of the Bid(s) is 31st May, 2025, upto 1700hrs. Technical & Financial Bids shall be opened on the same day, on 7th June, 2025 at 1700 hrs.

Bid(s) submitted after due date and time shall be liable to be rejected, unless the same is extended


ANIRBAN DATTA
HONORARY SECRETARY



NOTICE INVITING QUOTATION AND BILL OF QUANTITIES
CLOSED CIRCUIT TELEVISION NETWORK SYSTEM & BIO-METRIC BASED ATTENDANCE SYSTEM

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
(1)	(2)	(3)	(4)	(5)	(6) = (4) x (5)
1.00	Supply, Installation, Testing and Commissioning of Closed Circuit Television (CCTV) Network Surveillance System recorder with Preloaded Software and remote monitoring facilities. Protocol: TCP/IP, DHCP, SMTP. Power supply source: 240V, 50Hz, AC. Video output: Monitor: 1 BNC, RCA, HDMI, VGA. Compression: H.264, MPEG-4 & MJPEG on IP cameras. Display resolution: 720 x 480 / 720 x 576 (PAL) Motion-based Recording OF 70% (Speed/Resolution). Resolution: 720p @ 10fps. H.264 format for 30 Days. HDD Backup: 30 Days Motion based recording Warranty: To be included	Set	1		
1.01	8 Channel DVR/NVR	Nos.	1	Bidder to indicate	
1.02	2 TB Hard Disc for DVR/NVR with necessary accessories (Make: Seagate)	Nos.	1	Bidder to indicate	
1.03	2 MP fixed Bullet/Dome Camera with 1 / 2.9" CMOS 1920 x 1080, PoE, H.264 with necessary accessories and hardware (Make: CP PLUS/HIKVISION)	Nos.	8	Bidder to indicate	
1.04	16 Inch, LED colour monitor suitable for the above cameras (Make: LG/Samsung/Zebronics)	Nos.	1	Bidder to indicate	
1.05	BNC Connector (Copper Wired For Long Transmission)	Nos.	16	Bidder to indicate	
1.06	DC Connector (Copper Wired For Long Transmission)	Nos.	8	Bidder to indicate	
1.07	4 x 4 Box (for covering BNC & DC)	Nos.	8	Bidder to indicate	
1.08	SMPS FOR CCTV - Power Supply 12 V, 5 A, AC-DC (Make: Zebronics/Frontech/D-Link)	Nos.	1	Bidder to indicate	
1.09	Keyboard (USB) (Make: Dell/HP/Protonics/Zebronics/Frontech)	Nos.	1	Bidder to indicate	
1.10	Mouse (USB, Wired) (Make: Protonics/Zebronics/Frontech/Logitech)	Nos.	1	Bidder to indicate	
1.11	Wall Mounted Rack (Capacity: 4U)	Nos.	1	Bidder to indicate	
1.12	Wall Mounted Socket for Monitor	Nos.	1	Bidder to indicate	
1.13	Wall Mounted Tray for Keyboard & Mouse	Nos.	1	Bidder to indicate	
1.14	Cable 3+1, Full copper (Make: D-link Standard or Equivalent)	Nos.	1	Bidder to indicate	
1.15	PVC Pipe	mtr.	As required	Bidder to indicate	
1.16	White Flexible Pipe	mtr.	As required	Bidder to indicate	
1.17	Hard PVC T Socket	mtr.	As required	Bidder to indicate	
1.18	Hard PVC L Socket	Nos.	As required	Bidder to indicate	
1.19	PVC Pipe Clip	Nos.	As required	Bidder to indicate	
1.20	Installation	Pouch	As required	Bidder to indicate	
		Lot	1	Bidder to indicate	

NOTICE INVITING QUOTATION AND BILL OF QUANTITIES
CLOSED CIRCUIT TELEVISION NETWORK SYSTEM & BIO-METRIC BASED ATTENDANCE SYSTEM

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
(1)	(2)	(3)	(4)	(5)	(6) = (4) x (5)
1.21	AMC for One (1) Year	Lot	1	Bidder to indicate	
	TOTAL				
2.00	Supply, Installation, Testing and Commissioning of Bio-metrics based Attendance System Waterproof, dustproof and scratch proof optical fingerprint sensor Real-time data transfer USB & TCP/IP connectivity Inbuilt high capacity Ultra-long standby time up to 6 hours Employee authentication methods : Fingerprint only, ID+password, ID+Finger print, fingerprint+password Fast fingerprint User name display and human voice prompt Support English language Operating System: Windows/Android Face Storage Capacity Minimum: 500 Fingerprint Storage Capacity Minimum: 500 Attendance Log Minimum: 20000 Management Log Minimum: 5000 Identification Mode: Face, Finger, Face + Finger other option configurable Identification time: 1 Sec Max. Device Memory; RAM: 1 GB or higher Internal Storage: 2GB or Higher Suitability for Ambient Temp: up to 50 Degree C or more Light Sensitivity; Suitable for working under bright day light and IR for no light conditions: Min 10000 lux Enclosure Class: IP55 or better Suitability for Outdoor Installation: Yes Connectivity: Lan, WiFi Battery Backup: Required Warranty: To be included Integration with PC: To be done by Supplier Screen Size (Minimum): 3.5 inch or higher	Set	1		
2.01	Supply	Lot	1	Bidder to indicate	
2.02	Installation	Lot	1	Bidder to indicate	
2.03	AMC for One (1) Year	Lot	1	Bidder to indicate	
	TOTAL				