DEPARTMENT OF ELECTRICAL ENGINEERING
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Enquiry Letter

Reference No: COEP/EED /Access Control System_CCTV Systems/2022 -23 / 198   Date. 24/06/2022

Subject: Inviting quotations for supply and installation of **Fingerprint Time Attendance & Door Access Control System** material at Electrical Department of College of Engineering Pune.

Sealed quotations are invited from reputed organizations for **Annexure- I** supply and installation of passive Access Control System Material and   **Annexure- II** supply and installation of CCTV systems at the Electrical Department, College of Engineering Pune as per the **Annexure- I & II.**

Annexure- I

Sr. No.	Item Name	Qty (A)	Rate (B)	GST (C)	Total =A x (BxC)
1	**Fingerprint Time Attendance &Door Access Control System** **Access Control** Wiegand input/output : Yes, Relay : Yes, Anti Passback : Yes Support : RS485 Reader, Wiegand Reader, Remote, Push Button, No Touch **Biometric** FAR : 0.00001% , FRR : 0.001% Sensor type : 500 DPI Identification Mode : Fingerprint, Card, PIN **Communication** RS485, TCP/IP, USB, Push Data : Yes, OS : Linux **Storage Capacity** Finger Capacity : 10,000 , Card Capacity: 10,000 Log Capacity : 2,00,000, Password Capacity : 10,000 Max. User : 10,000, Processor : 1 GHz **Power & Environment** Operating Temperature : 0°c ~ 50°c Power : 12V DC / 2A, Battery Backup Require Hardware for locking and Power Cable Time Attendance Software, Warranty 01- 03 Year	**6 Nos.**			
2	**Cabling** **Cat 6 or equivalent Cabling work for Fingerprint Time Attendance & Door Access Control System**	As per requirement @ actual			

Sr. No.	NVR	Particulars	Qty (A)	Rate (B)	GST (C)	Total =Ax(BxC)
1	**Processor**	Industrial-grade embedded processor				
	Operating System	Embedded LINUX				
	User Interface	Web/operating in local GUI				
	Video Output	1 VGA/1 HDMI simultaneous video output, maximum resolution 1080P				
	Video Resolution	8MP/5MP/4MP/3MP/1080P/720P/D1/CIF				
	Video Recording	80 Mbps for access, 80 Mbps for storage and 60 Mbps for forwarding.				
	Video Display Split	1/4				
	Bandwidth Incoming	80 Mbps				
	Channel	4				
	Motion Detection	Supports				
	Video Loss	Supports				
	Smart Phone	iPhone, iPad, Android Phone				
	Hard Disk	1 SATA 2.0 TB				
	Recording Mode	Priority of record mode: Manual recording, alarm recording, motion detection recording, timed recording				
	Backup Mode	USB Device				
	Playback	Play, pause, stop, fast forward, fast backward, rewind, play by frame, Full screen, backup (cut/file), partially enlarge, audio on/off				
	Ethernet	1 RJ-45 port (10/100Mbps)				
	Interface Ports	2 USB Ports (1 Rear USB 2.0,1 Front USB 2.0)				
	Protocols	HTTP, HTTPS, TCP/IP, IPv4, IPv6, RTSP, UDP, NTP, DHCP, DNS, P2P, ONVIF (profile T/profile S/ profile G), RTSP, CGI, SDK				
	Power Supply	DC12V, 1.5A				
	Warranty	2 Years				
2	**Camera**					
	Image Sensor	1/2.8" 2MP PS CMOS Image Sensor (7.112 centimeters)				
	Minimum Illumination	0.01Lux@F2.0				
	Effective Pixels	1920(H)x1080(V)				
	Body Type	Dome				
	Shutter Speed	Auto/Manual, 1/3~1/100000s				
	White Balance	Auto/natural/street lamp/outdoor/manual/regional custom				
	Lens	3.6mm fixed lens (2.8mm optional)				
	Max Aperture	F2.0				
	Gain Control (AGC)	Auto/Manual				
	Lens Type	Fixed				
	S/N Ratio	>56dB				
	DORI Distance	3.6mm– 49.7m (Detect) 19.9m (Observe) 9.9m (Recognize) 5m (Identify) 2.8mm– 38.6m (Detect) 15.4m (Observe) 7.7m (Recognize) 3.9m (Identify)				
	Video Compression	H.265+/H.265/H.264+/H.264H/H.264B/MJPEG				

	Angle of View	3.6 mm: Horizontal: 84°; Vertical: 45°; Diagonal: 100° 2.8 mm: Horizontal: 102°; Vertical: 54°; Diagonal: 120°					
	Back Light Comp.	BLC/ HLC/ DWDR					
	Frame Rate	Main Stream: 1920 × 1080 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)					
	Resolution	2MP (1920 × 1080); 1.3MP (1280 × 960);720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640× 480); CIF (352 × 288/352 × 240)					
	Motion Detection	Off / On (4 area, Rectangle)					
	Privacy Mask	4 areas					
	ICR	Auto(ICR)/Color/B/W					
	ROI	Yes (4 areas)					
	Bit Rate	H.265: 12 Kbps–6144 Kbps H.264: 32 Kbps–6144 Kbps					
	Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; NTP; Multicast; ONVIF (Profile S/Profile T); CGI; P2P; Genetec					
	Ethernet	RJ-45 (10/100Base-T)					
	User Account	6 Users					
	Smart Phone	iPhone, iPad, Android Phone					
	IR Range	IR Range of 30 Mtr., Smart IR					
	Operating Temperature	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95%					
	Power Source	DC12V, PoE (802.3af)					
	Power Consumption	1.4W (12V DC); 2.2W (PoE)					
	Weatherproof Standard	IP67					
	Dimension	85.5 mm × Φ109 mm					
	Casing	Metal + Plastic					
	Warranty	2 years					
3	POE Switch						
	LED light	Power, LINK/ACT, PoE					
	PoE Power Budget	96W					
	Storage Temperature	-20°C~90°C (-4°~194°F)					
	Dimension	184mm(L) x 94mm(W) x 27mm (H)					
	Operating Temp	0°~45°C (32°~113°F)					
	Storage Humidity	5%~90% (Non-condensing)					
	Humidity	10%~90% (Non-condensing)					
	PoE Standard	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x Flow Control IEEE 802.3af/at Power over Ethernet					
	Power Source	Single port maximum output power: 30W					
	Warranty	2 Years					
4	Cabling						
	Cat 6 Cable	Cat 6 Cable around 150 mtr for CCTV with Installations					

Terms and Conditions:

1. **Please visit the site before submitting the quotation.**
2. **Delivery Period: 4 weeks**
   Vendor shall be responsible for supplying access Control System material at Electrical Department, College of Engineering Pune. Any defective component will be replaced by vendor at his cost.

3. **Comprehensive Warranty:**
   Comprehensive Warranty for all supplied items is as per OEM Policy.

4. **Payment Terms & Conditions:**
   Payment: 100% payment shall be made at the earliest towards supply of passive LAN cabling items/material in good condition in stores of Electrical Department, College of Engineering Pune and after its successful installation.

5. The vendors shall have to quote for all the items of the quotation. Part quotations/incomplete quotations shall be summarily rejected.
6. Offers in quotation should be written in English and price should be written in both figures and words.
7. Please specify the wake of the items.
8. Quotation(s) received after last date of quotation submission will be rejected.
9. The institute reserves the right to select or reject the offer of the vendor.
10. The Institute reserves the rights to split the purchase order.
11. The Institute reserves the rights to cancel any of the items of quotation without any reason thereof.
12. The Institute reserves the rights to decide the quantity of any of the items of quotation for finalizing the purchase order without any reason.
13. The Institute reserves the right to cancel purchase order, before or after the delivery of material before making payments, without giving any reasons thereof.
14. The last date for submission of Quotation is 30/06/2022 before 1530 Hours. Quotations received beyond the submission date / time will not be accepted and will be rejected, unopened.
15. Quotations will be opened on 01/07/2022 at 1200 Hours at Electrical Department, College of Engineering Pune in presence of the vendor's representatives who wish to attend. In the event of any change in the date of opening, the same will be intimated to all.
16. The vendor shall seal the quotation in an envelope addressed to: The Director, College of Engineering Pune. The envelope will also bear the following identification: -
    "Supply and installation of Access Control System material at Electrical Department, College of Engineering Pune."
    Reference No: COEP/EED/Access Control System_CCTV/2021-22/198   Date. 24/06/2022
    Quotation must be received in the office of Electrical Department, College of Engineering Pune.

Head,
Electrical Engineering Department,
College of Engineering Pune.