

OFFICE OF THE PTA
GEC Palakkad, Sreekrishnapuram, 678 633

Notice Inviting Quotation

Sealed Quotations are invited for CCTV Monitoring System. The Quotation may be submitted to President PTA, GEC Palakkad, Sreekrishnapuram, 678 633 up to 5.00 PM on 27.04.2022. The envelope should be superscripted in bold letters with "QUOTATION FOR CCTV MONITORING SYSTEM ". The opening of quotation shall be done at 2.00 pm on 28.04.2022.

Work name: Installation of CCTV camera

General Terms & Conditions:

1. The quotations received after deadline & unsealed shall not be entertained under any circumstances whatsoever.
2. Quotations must be in the letter head of the firm duly signed by the Proprietor/Partner/Director or their authorized representative. In case of signing of quotation by the authorized representative letter of authorization must be attached with the quotation.
3. Rates must be quoted in Indian rupees and as per the format specified taxes extra if any must be written separately.
4. No overwriting or cutting is permitted in the rate. If found, the quotation shall be summarily rejected.
5. The firm/agency may satisfy the following conditions and attach self-attested copy of the same with the quotation:
 - The firm shall have valid GST number
 - The firm should not be black listed by any Govt. Agency/Dept.
6. Any conditional quotation shall be rejected summarily.
7. Interested firm must visit the site, if needed for survey, before submitting the quotation.
8. The quantity of items given in the Quotation is tentative, which may be increased or decreased as per actual requirement of this office.
9. Work involves provision as well as installation of CCTV.

Contact Person: Prof. Balu John, HoD of Computer Science (9895 259 420)

Encl: Annexure 1 (specification)

Proposal for Installing the CCTV Surveillance system at College Campus

Scope of the Work

Supply and installation of CCTV Surveillance system using indoor and outdoor Bullet cameras. The NVR is to be installed at Institution Data Centre. Installation of IP camera, NVR and networking up to the distribution switch is comes under the scope of the project. Existing fiber backbone can be used for the integration of the system.

Proposed Locations

As suggested by the PTA / Higher officials proposed locations are the Main Gates, Porch, Lobby, Principal office corridor and some of the other corridors.

Proposed Solution.

The proposed solution consists of 16 Channel NVR with minimum 30 days recording, 2 Nos of outdoor verifocal cameras and 6 nos indoor bullet cameras.

BOM

Sl.	Item Description	Qty
1	4 MP Outdoor Verifocal 30M IR/Vandal-proof/HD/PoE	2
2	4 MP Indoor Bullet Camera 30M IR/Vandal-proof/HD/PoE	6
3	16 Channel NVR with 4 HDD Bay	1
4	6TB CCTV Hard disk	2
5	Cabling Using 25mm conduit (Mtrs)	400
6	Supply and Laying of CAT6 Cable	1000
8	40" Display	1
9	Core i5/8GB Console system	1
10	Installation and Fixing Charges	Lump-sum

General instructions

- All the equipments (Camera, NVR, [Display]) should be the same make

- The product should be in the market for last 3 years and show positive growth
- Network components should be compatible with our CISCO based network and the company should work in co-operation with our network team.
- Bidder must have completed minimum 3 CCTV projects
- OEM should be ISO 9001:2015, ISO 14001:2015 for manufacturing
- OEM of the camera should not be banned in India or anywhere globally for security reasons
- OEM shall have service centre in Kerala, with sufficient numbers of technical staff

Detailed Specifications

4 MP Bullet Camera	
Parameter	Values
Type	4 MP Bullet IP Camera IP66 Metal Body
Sensor	1/2.7" Progressive scan CMOS Sensor 0.01lux (Color), 0lux (IR on) , Auto/Manual, 1/3~1/10000s
Lens	3.6 mm, M12
Angle of view	FOV:85 °or More
IR Range	30 Mtrs Smart IR, cut filter with auto switch
Max Resolution	2560x1440
Video Compression	H.265+, H.265 , H.264+ , H.264
Frame Rate	Min 25fps
Image Settings	Configurable HLC , BLC , dWDR , RoI , AGC , Smart Defog
Corridor Mode	Should be supported
Motion Detection	Should be supported
Smart Functions	Area Intrusion, Line Crossing

Protocol	TCP/IP,ICMP, HTTP,HTTPS,DHCP,DNS,DDNS, RTP,RSTP,RTCP,NTP,IGMP,UPnP,SMTP,UPnP-TM,P2P, Bonjour,IPV6,IPV4,DynDNS ,NO-IP DDNS, OrayDDNS, CN99DDNS, P2P
Compatibility	ONVF, CGI
Security	User authentication, IP address filtering, Video Mask
Connectivity	RJ45 10/100 Ethernet , P2P Direct Access
Power	PoE (IEEE 802.3af), 12V DC
Warranty	5 Years From OEM

4 MP Verifocal Outdoor Camera	
Parameter	Values
Type	4 MP IP Camera IP66 Metal Body
Sensor	1/2.7" Progressive scan CMOS Sensor 0.01lux (Color), 0lux (IR on) , Auto/Manual, 1/3~1/10000s
Lens	3.6 mm, M12
Angle of view	FOV:85 °or More
IR Range	30 Mtrs Smart IR, cut filter with auto switch
Max Resolution	2560x1440
Video Compression	H.265+, H.265 , H.264+ , H.264
Frame Rate	Min 25fps
Image Settings	Configurable HLC , BLC , dWDR , RoI , AGC , Smart Defog
Corridor Mode	Should be supported
Motion Detection	Should be supported

Smart Functions	Area Intrusion, Line Crossing
Protocol	TCP/IP,ICMP,HTTP,HTTPS,DHCP,DNS,DDNS, RTP,RSTP,RTCP,NTP,IGMP,UPnP,SMTP,UPnP-TM,P2P, Bonjour,IPV6,IPV4,DynDNS ,NO-IP DDNS, OrayDDNS, CN99DDNS, P2P
Compatibility	ONVF, CGI
Security	User authentication, IP address filtering, Video Mask
Connectivity	RJ45 10/100 Ethernet , P2P Direct Access
Power	PoE (IEEE 802.3af), 12V DC
Warranty	5 Years From OEM

16 Channel NVR	
Parameter	Values
Type	16 Channel NVR
Storegae	Upto 4 SATA HDD with Raid 0,1,5,10 Support
HDD	1 TB - 10 TB Enterprise HDD
Connectivity	2 x 10/100/1000 NIC
Outpur	1 VGA, 1 HDMI,
Record Resolution	Real time Recording 5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Play back Resolution	Real time Play back 5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Video Compression	H.265, H.264 and MPEG
Protocol	IPv4, TCP, UDP, P2P, UPnP, NTP, DHCP, PPPoE
Compatibility	ONVF, API

Other Features	Intrusion detection, Cross line detection, Audio detection, Defocus detection, Scene change detection
Alarms	Channel loss
Warranty	5 Years (Minimum 3 years OEM)

Commercial Display	
Parameter	Values
Type	40" + Commercial IPS Display
Input	HDMI, VGA
USB	USB-C
Warranty	5 Years (Minimum 3 years OEM)