

Quotation for Supply & Installation of CCTV System at TSCAB-CTI Rajendranagar

S#	Item Description	Unit	Quantity	Rate	Amount
1	2 MP Fixed Lens IP Dome Camera with Night Vision <i>"Specifications as in annexure below"</i>	Each	24		
2	2 MP Fixed Lens IP Bullet Camera with Night Vision <i>"Specifications as in annexure below"</i>	Each	10		
3	32 Channel NVR <i>"Specifications as in annexure below"</i>	Each	2		
4	Seagate or Western Digital Hard Disk Drive SATA 6 TB	Each	4		
5	8 POE with 2 Uplink Switch of Netgear, DLink, TP Link, CISCO or Wbox makes	Each	6		
6	Testing, Installation and Commissioning Charges	Each	1		
7	4 U Network Racks for securing Switches & NVR	Each	7		
				Total	
				GST@ 18%	
Cost of Extended Warranty or Comprehensive AMC for Second Year inclusive of GST					
Cost of Extended Warranty or Comprehensive AMC for third Year inclusive of GST					
				Grand Total	

Cabling Work for CCTV System at TSCAB-CTI Rajendranagar

S#	Item Description	Unit	Qty	Rate	Amount
1	Supply and laying of CAT6 UTP Cable indoor type with conduit. (Inclusive of GST)	RMT	600 Meters		
2	Supply and laying of CAT6 UTP Cable indoor type with conduit. (Inclusive of GST)	RMT	300 Meters		
				TOTAL	

Quotation for Supply & Installation of CCTV System at TSCAB-Puthlibowli Site

S#	Item Description	Unit	Qty	Rate	Amount
1	2 MP Fixed Lens IP Dome Camera with Night Vision <i>"Specifications as in annexure below"</i>	Each	4		
2	2 MP Fixed Lens IP Bullet Camera with Night Vision <i>"Specifications as in annexure below"</i>	Each	10		
3	16 Channel NVR	Each	2		
4	Seagate or Western Digital Surveillance Hard Disk Drive SATA 6 TB	Each	4		
5	8 POE with 2 Uplink Switch of Netgear, DLink, TP Link, CISCO or Wbox makes	Each	3		
6	Testing, Installation and Commissioning Charges	Each	1		
7	4 U Network Racks for securing Switches & NVR	Each	7		
Total					
GST@ 18%					
Cost of Extended Warranty or Comprehensive AMC for second Year inclusive of GST					
Cost of Extended Warranty or Comprehensive AMC for third Year inclusive of GST					
GRAND TOTAL					

Cabling Work for CCTV System at TSCAB-Puthlibowli Site

S#	Item Description	Unit	Qty	Rate	Amount
1	Supply and laying of CAT6 UTP Cable indoor type with conduit. Inclusive of GST	RMT	300 Meters		
2	Supply and laying of CAT6 UTP Cable indoor type with conduit. Inclusive of GST	RMT	300 Meters		
				Total	

Annexure for Specifications

1. IP Camera Dome / Ceiling Mount:

Image Sensor	1 / 3.2"CMOS
Number of Pixels (H x V)	1920 x 1080
Electronic Shutter	1/25s ~ 1/ 100000s
Iris	Fixed Iris
Min Illumination	0.012lux @F1.2, AGC ON; 0 lux with IR 0.046 lux @ F2.0, AGC ON; 0 lux with IR
Lens	3.6 mm @F2.0, (fixed lens), Horizontal Field of View: 75.8°
Day & Night	TDN
Wide Dynamic Range	Digital WDR
Video Compression	H.265 / H.264 / MJPEG
Resolution	1080P (1920 × 1080), 720P (1280 × 720), D1, 480 × 240, CIF
Number of Streams	2 (Main Stream, Sub Stream)
Frame Rate	Main Stream: 60Hz:1080P/720P(1~30fps);50Hz: 1080P/720P(1~25fps) Sub Stream:60Hz: D1/CIF/480×240(1~30fps); 50HZ: D1/CIF/480×240 (1~25fps)
Bit Rate	64 Kbps ~ 6 Mbps
Encode Mode	VBR / CBR
Image Settings	ROI, Saturation, Brightness, Contrast, Wide Dynamic, Sharpen, NR,etc. adjustable through client software or web browser
Remote Monitoring	Web browsing, CMS remote control
Online Connection	Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission
Network Protocol	UDP, DHCP, NTP, RTSP, DDNS, SMTP, 802.1x, UPnP, HTTP, HTTPS, QoS, IPv4, IPv6
Interface Protocol	ONVIF
Motion Alarm	Supported
IR Distance	10 ~ 20m
IP Rating	IP67

Power Supply	DC 12V / PoE
Power Consumption	<5 W
IR Consumption ON	1 W
Operating Temperature	-20 deg C to 55 deg C, Humidity: <95 (non-condensing)

2. IP Camera Bullet / Wall Mount

Image Sensor	1 / 3.2"CMOS
Number of Pixels (H x V)	1920 x 1080
Electronic Shutter Speed	1/25s ~ 1/ 100000s
Iris	Fixed Iris
Min Illumination	0.012lux @F1.2, AGC ON; 0 lux with IR 0.046 lux @ F2.0, AGC ON; 0 lux with IR
Lens	3.6 mm @F2.0, (fixed lens), Horizontal Field of View: 75.8°
Day & Night	TDN
Wide Dynamic Range	Digital WDR
Video Compression	H.265 / H.264 / MJPEG
Resolution	1080P (1920 × 1080), 720P (1280 × 720), D1, 480 × 240, CIF
Number of Streams	2 (Main Stream, Sub Stream)
Frame Rate	Main Stream: 60Hz:1080P/720P(1~30fps); 50Hz: 1080P/720P(1~25fps) Sub Stream: 60Hz: D1/CIF/480×240(1~30fps); 50HZ: D1/CIF/480×240 (1~25fps)
Bit Rate	64 Kbps ~ 6Mbps
Encode Mode	VBR / CBR
Image Settings	ROI, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR, etc. adjustable through client software or web browser
Remote Monitoring	Web browsing, CMS remote control
Online Connection	Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, DDNS, SMTP, 802.1x, UPnP, HTTP, HTTPS, QoS
Interface Protocol	ONVIF

Motion Alarm	Supported
IR Distance	10 ~ 20m
IP Rating	IP67
Power Supply	DC 12V / PoE
Power Consumption	<5 W
IR Consumption ON	1 W
Operating Temperature	-20 deg C to 55 deg C, Humidity < 95 (non-condensing)

3. Network Video Recorder 16 / 32 Channels:

Video Compression	Standard H.265, H.264
Inputs	16 / 32 CH IPC input
Output	HDMI × 1 : 3840 × 2160 / 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA × 1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768
Network Access Bandwidth	112 Mbps
Network Input	16 / 32 CH IPC audio input
2-way Audio	RCA
Local Output	RCA
Record Mode	Manual / Scheduled / Motion Detection
Playback	Max 16 CH
Local Output	2 SATA, upto 6 TB per SATA
Backup mode	USB Device, Network
Alarm Input / Output	16 CH / 32 CH
Ethernet	RJ45 10 / 100 / 1000 Mbps × 1
Network Function	TCP / IP, PPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP
Mobile Software Compatibility	iPhone, iPad, Android (phone and tablet)
USB Ports	USB 2.0 or 3.0 2 PORTS
Operating Temperature ---- Relative Humidity	-10 C to 50 C ---- 10% to 90%, non- condensing
Certificates	BIS certification

Preferred Makes for CCTV Cameras and Recorders: Godrej, Honeywell, Tyco, Sony, Bosch, and Aegis.