

**TECHNICAL SPECIFICATIONS FOR PROCUREMENT OF
CCTV CAMERA SURVEILLANCE SYSTEM**

<u>Ser No</u>	<u>Details of Item</u>	<u>A/U</u>	<u>Qty</u>	<u>Specification Required</u>
1.	32 Channel NVR	Nos	01	(a) NVR should be CP PLUS with 32 channel or higher. (b) HDD support to 8TB and expandable upto 64TB HDD (c) 02 x HDD slots (d) 4K resolution support. (e) supports mainstream cameras of ONVIF and RTSP (f) AES-128bit Encryption support
2.	5 MP Bullet IP Camera	Nos	24	(a) Camera should CPPLUS be based on IP and suitable for Outdoor. (b) Night vision in colour and should be night vision IR range 30mtr. (c) Video or higher and IR 30 mtr or higher. (d) supports mainstream cameras of ONVIF and RTSP. (e) AES-128bit Encryption support. (f) should be operate on DC 12V, PoE(802.3af) (g) 4K/1080p (2880 x1620) resolution support.
3.	8TB Surveillance HDD	Nos	01	(a) 8 TB HDD or higher should be compatible with CP PLUS NVR. (b) Data tfr rate should be 6 Gbps. (c) Hardware Interface SATA 6.0Gbps
4.	6 Core SM Armored Fiber	Mtr	3000	Cable should 6 core SM armoured fiber and suitable for outdoor surveillance system.
5.	SC-Type SM Fiber pach Cord- Single	Nos	14	SC-Type SM Fiber pach Cord- Single end and suitable for Media converter (Optical to Ethernet converter).
6.	Fiber Optic Joint Enclosures	Nos	10	Enclosures should be Fiber Optic Joint and suitable for outdoor surveillance system.
7.	SM Media Converter 10/100	Nos	16	(a) should be support 100Mbps/1Gbps and suitable for outdoor surveillance system. (b) Data tfr rate : 1000Mbps (c) Full duplex transfer mode
8.	CAT 6 UTP Cable Outdoor	Mtr	2500	Cable should CAT6 UTP Cable and suitable for outdoor surveillance system.
9.	Cat 6 Pach Cord 1 Mtr	Nos	10	Cable should 6 CATUTP 6 Cable and suitable for outdoor surveillance system.

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Member No 1 _____

Member No 2 _____

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10.	8 Port Giga POE Switch	Nos	08	(a) Each port support 10/100/1000Mbps, Max 30/60W output of single POE port (b) POE enabled for outdoor surveillance system. (c) Transmission distance -100mtr (d)10/16 Gbps switching capacity
11.	24 Port Giga POE Switch	Nos	01	(a) Each port support 10/100/1000Mbps, Max 30/60W output of single POE port (b) POE enabled for outdoor surveillance system. (c) Transmission distance -100mtr (d)10/16 Gbps switching capacity
12.	Display Monitor. 55" 55 inch or higher.	Nos	01	(a) The display monitor should be 55 inch. (b) The resolution should be compatible 4K or higher.
14.	GI Poles	Nos	16	The pole should be GI and have 2 inch width, 10 feet long and 2.2mm or better thickness.
15.	UPS 1 KVA	Nos	07	(a) The online ups without in-built bty, 1 KVA and 900W capacity (b) DC voltage system of the UPS should be 36V. (c) Output voltage 200/208/220/230/240VAC (d) Frequency range 40Hz-70Hz (e) 03 x 42 AH (12V) SMF battery to be offered with the UPS.
16.	6U Wall Mount server Rack	Nos	06	(a) The size of sever Rack should be 6U. (b) The width of rack should be 38 cm, Length should be 55 cm & Height should be 32 cm. (c) The Rack should have secure lock feature. (d) Cable channel facility in rear side for cable management. (e) Rack should support cable entry from top or bottom. (f) The warranty of Rack should be minimum 01 year.
17.	9U Wall Mount Server Rack	Nos	01	(a) The size of sever Rack should be 9U. (b) The width of rack should be 40 cm, Length should be 55 cm & Height should be 45 cm. (c) The Rack should have secure lock feature. (d) Cable channel facility in rear side for cable management. (e) Rack should support cable entry from top or bottom. (f) The warranty of Rack should be minimum 01 year.

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