

Mechinagar Municipality
Highway CCTV Shifting, Maintenance & Up-gradation Project
General Specification of CCTV and Related Equipments

BOQ

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S.N	Particulars	Specification	Unit	Quantity	Rate	Amount
1	4MP Full Color Bullet Network Camera	<ul style="list-style-type: none"> ·S+265/H.265/H.264B/H.264M/H.264H/Motion JPEG ·Color:0.0001Lux@(F1.0,AGC ON),B/W:0Lux with IR ·Support microSD/microSDHC/microSDXC card,up to 512GB ·Support smart surveillance ·Support human/vehicle classification ·Operating conditions -40°C~65°C(-40°F~149°F), ≤95%RH ·DC12V±25%,Max. 8W, PoE:IEEE 802.3af,Max. 9W ·IP67 OR Equivalent 	Pcs	2		
2	8MP Full Color Bullet Network Camera	<ul style="list-style-type: none"> ·Up to 8MP,3840×2160@20fps ·S+265/H.265/H.264B/H.264M/H.264H/Motion JPEG ·Color:0.002Lux@(F1.6,AGC ON),B/W:0Lux with IR ·IR range up to 50m ·Support human/vehicle classification ·Operating conditions -40°C~65°C(-40°F~149°F), ≤95%RH ·DC12V±25%,Max. 8W, PoE:IEEE 802.3af,Max. 9W ·IP67, Metal housing Or Equivalent 	Pcs	1		
3	4 Port Gigabit PoE Switch	L2, Unmanaged, 4 Gigabit POE ports, 1 Gigabit RJ45 uplink port, 802.3af/at, PoE power budget 35w, 6 KV surge protection for PoE ports, Solid high-strength metal shell Or Equivalent	Pcs	7		
4	4 Port Gigabit Unmanaged POE Switch With 2SPF Up-Link Port	L2, Unmanaged, 4 Gigabit RJ45 PoE ports, 2 Gigabit SFP uplink ports, 802.3af/at/bt, port 1 support Hi-PoE 60w, PoE power budget 60W, ports 3-4 support up to 300meter, 6KV surge protection, supports POE watchdog, port isolation, -30~65°C, DIN rail, power supply unit is include by default, also support ELG-150-48A power unit, 6KVA surge protection for POE ports.Or Equivalent	Pcs	9		
5	Optical SFP Module	TX1310nm/1.25G, RX1550nm/1.25G, LC, single mode and single fiber, 20km, 0~70°C, SFP or Equivalent	Pcs	9		
6	Optical SFP Module	TX1550nm/1.25G, RX1310nm/1.25G, LC, single mode and single fiber, 20km, 0~70°C, SFP or Equivalent	Pcs	9		
7	Optical Fiber 6 Core FRP Cable (with laying charge)	<ul style="list-style-type: none"> Cable Type: Single-Mode Fiber Optic Cable Jacket Material: High-Density Polyethylene (HDPE) Conductor Material: Glass Fiber OR Equivalent 	Meter	500		

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8	ONU	<p>Optical signal access EPON/GPON User interface 1GE Indicator light POWER/PON/LOS/LAN Button Power switch Button, Reset Button Weight: 95g Power adapter input 100V~240V AC, 50Hz~60Hz Power Supply requirement 12V DC, 0.5A Power consumption <6w Working temperature -10°C ~ +45°C Environment humidity 5% ~ 95% (Non-condensing) PON Interface Module type SC/UPC Transmission distance 0~20km Transmission rate GPON: Uplink 1.244Gbps ; downlink 2.488Gbps EPON: Uplink 1.244Gbps ; downlink 1.244Gbps Ethernet interface Interface type RJ45 Interface parameters 1 x 10/100/1000Mbps auto adaptive Ethernet interfaces Or Equivalent Or Equivalent</p>	Pcs	8		
9	Splicing Cost	Splicing Cost Per Spot Or Equivalent	Spot	60		
10	Patchcord	<p>Connector : (2) LC UPC Cable Type : Fiber-Optic Fiber : Type Single : Mode Cable Length : 1.5M Operating Temperature : -40 °C to 80 °C Or Equivalent</p>	Pcs	25		
11	Tiffin Box	<p>Fiber Optic Tiffin Box with a self-locking system and screws lightweight and compact size with 20 cm length x 10cm width x 4 cm Height Capacity: 6 core per splice tray two points of entry and exit, making it more convenient commonly used for communication, network systems, FTTH, Telecom, CATV, fiber optic Cable TV, and network Product designed for cable protection. Or Equivalent</p>	Pcs	60		
12	CCTV Camera Stand	Metal Stand Or Equivalent	Pcs	3		
13	Miscellaneous Accessories	RJ45, Screw, Tape, Cable Clip, Wall Pin, Pvc Box Or Equivalent	Per CCTV	23		
14	Existing CCTV Maintenance and Shifting	Managed, shift and maintenance old and exist CCTV camera Or Equivalent	Per CCTV	20		
15	Installation cost for New CCTV	IP Configuration, NVR Installation, Camera Installation and Setup Or Equivalent	Per CCTV	3		
16	150 AH Tubular Battery	<p>150Ah/12V Tall Tubular Battery Technology Tall Tubular Capacity 150 Ah Dimensions (L x W x H) 505 mm x 190 mm x 432 mm Or Equivalent</p>	Pcs	1		



17	1050 VA UPS	<p>1050VA/12V UPS LCD Digital Display to monitor inverter status Built-in Battery Charger - no need to spend on external charger Equipped with 6-Stage Battery Charging for Long Battery Life Designed to Efficiently Charge Battery even at Low Voltage Current Has Resettable Fuse UPS Feature with Zero Change-over time - Ideal for Sensitive Appliances like TV, desktop, routers Automatic By-pass System (to by-pass the System if Need be) 12V (Single Battery Inverter 700W Rating" Or Equivalent OR Equivalent</p>	Pcs	1		
18	Pole Box	waterproof, Metallic Or Equivalent	Pcs	4		
19	Cat 6 Cable	<ul style="list-style-type: none"> • Core diameter: 0.585mm • Quality verified by Fluke test • Guaranteed long PoE transmission distance Or Equivalent 	Meter	500		
20	Bamboo Box Joint Encloser	Fiber Joint Encloser Or Equivalent	Pcs	10		
21	Power Extension	2 Socket Or Equivalent	Pcs	10		
22	Optical Fiber Tag	2*2" Acrylic board with laser cutting Or Equivalent	Pcs	350		
23	Cable Tie	<p>Material: Nylon 66 Length: 200mm Width: 3.6mm Or Equivalent</p>	Packet	5		
Sub Total						
13% VAT						
Grand Total						
Amount in Words:						