



मेचीनगर नगरपालिका
नगर कार्यपालिकाको कार्यालय, ईटाभट्टा
भापा जिल्ला, कोशी प्रदेश नेपाल
Mechinagar Municipality
Office of the Municipal Executive
Itabhatta, Itaha District Koshi, Nepal



प. सं. : २०८२/०८३
च.नं. : ६६६

मिति: २०८२/०५/०३

बिषय: बजार दर पेश गर्ने सम्बन्धमा ।

प्रस्तुत बिषयमा मेचीनगर नगरपालिका अन्तर्गतका बाटो, चोक, बजारमा रहेका मर्मत तथा थप जडान गर्नुपर्ने सिसिटिभी क्यामेरा र सो सम्बन्धि उपकरणहरु आ.व २०८२/०८३ नयाँ जडान तथा मर्मत कार्य संचालनका लागि आवश्यक उपकरणहरुको हालको बजार दर आवश्यक भएकोले निम्न बमोजिम कागजात संलग्न गरि ७ दिन सम्ममा बजार दर उपलब्ध गराइदिन हुन मेचीनगर नगरपालिका, नगर कार्यपालिकाको कार्यालयमा सुचिकृत भएका सूचना प्रविधि सम्बन्धि कार्य गर्ने फर्महरु संग अनुरोध छ ।

निम्न:

१. दर पेश गरिएको निवेदन
२. आ.व २०८२/०८३ मा मेचीनगर नगरपालिका, नगर कार्यपालिकाको कार्यालयमा सुचिकृत भएको प्रमाण पत्रको प्रतिलिपि ।

अनन्त प्रकाश वस्ती
प्रमुख, खरिद इकाई



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

S.N	Particulars	Specification	Unit
1	4MP Full Color Bullet Network Camera	• Metal housing, Up to 4MP, 2688×1520@25fps • 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	8MP Full Color Bullet Network Camera	• 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
3	Network Bullet CCTV Camera	• 2-MP 1/2.8" CMOS image sensor, low luminance, and high definition image. • Outputs max. 2 MP (1920 × 1080)@25/30 fps. • H.265 codec, high compression rate, ultra-low bit rate. • Built-in IR LED, and the max. illumination distance is 30 m. • DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes. • ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments. • Abnormality detection: Motion detection, video tampering, network disconnection, IP conflict, illegal access. • 12 VDC/PoE power supply, easy for installation. • IP67 protection. • Supports human detection. Or Equivalent	Pcs
4	Network Dome CCTV Camera	• 2MP, 1/2.7" CMOS image sensor, low illuminance, high image definition • Outputs max. 2MP (1920 × 1080) @25/30 fps • H.265 codec, high compression rate, ultra-low bit rate • Built-in IR LED, max. IR distance: 30 m • ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments • Rotation mode, DWDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes • Abnormality detection: Motion detection, video tampering, network disconnection, IP conflict, illegal access • 12V DC/PoE power support • IP67 protection Or Equivalent	Pcs



5	20 CH NVR (Double SATA)	• Support live view, storage, and playback of the connected camera at • S+265/H.265/H.264 video formats • Up to 8MP resolution • 1HDMI/1VGA simultaneous outputs • Up to 4K resolution • Up to 10TB for 1 HDD • 1xRJ45 self-adaptive 10/100/1000 Mbps network interface - IP 67 ingress protection Or Equivalent	Pcs
6	16 CH NVR	Support 16 CH 8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/DI/CIF IP inputH.265S/ H.265+/ H.265/ H.264 coding Multi-mode recording: manual / timed / motion / sensor/ POS/ AI recording Playback : 4 /8/16CH simultaneous playback Support multiple VCA (Video Content Analytics) events, such as object abandoned/missing, region intrusion, line crossing, video exception, etc 4K output, true high resolution display Or Equivalent	Pcs
7	8 CH NVR	S+265/H.265/H.264 video formats• Connectable to the third-party network cameras• up to 6MP resolution• 1xHDMI and 1xVGA simultaneous outputs• HDMI Video output at up to 4K resolution• 1 SATA interface, up to 8TB for 1 HDD• 1xRJ45 self-adaptive 10/100 Mbps network interface• VCA detection alarm is supported• Web6 supports plug-in free browsing and can preview videoson all browser Or Equivalent	Pcs
8	64 CH NVR	Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats. Max. decoding capability: 32 x 1080p@30 fps or 32 x 2MP@30 fps. Max. 384/384/384 Mbps incoming/recording/outgoing bandwidth. Disk Interface:4 SATA ports, each disk can contain up to 20 TB Supports IP cameras with a resolution up to 32 MP. Access Channel: 64 channels Different Alarm System: yes Face Detection:Yes ANPR Support:Yes Video Output:2 VGA, 2 HDMI VGA:1920 x 1080, 1280 x 1024, 1280 x 720 HDMI:3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720 Heterogeneous video source output for HDMI1 and HDMI2 Simultaneous video source output for VGA1 and HDMI1 Simultaneous video source output for VGA2 and HDMI2 Or Equivalent.	Pcs



9	32 CH NVR	> Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats. > Max. decoding capability: 8 × 1080p@30 fps or 2 × 8 MP@30 fps. > Max. 160/128/60 Mbps Incoming/recording/outgoing bandwidth. > Supports IP cameras with a resolution up to 12 MP. > AI by Recorder supports 2-channel SMD Plus. > AI by Camera supports face detection and recognition, perimeter protection, SMD Plus, people counting, stereo analysis and heat map. Access Channel: 32 channels Different Alarm System: yes Face Detection:Yes Or Equivalent	Pcs
10	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
11	4 Port Gigabit Unmanaged POE Switch With 2SFP 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
12	POE SWITCH	L2, Unmanaged, 8 Gigabit POE ports, 1 Gigabit RJ45 uplink port, 1 Gigabit SFP uplink port, 802.3af/at, PoE power budget 58w, 6 KV surge protection for PoE ports, Solid high strength metal shel Or Equivalent	Pcs
13	8 Port Gigabit POE Switch	AI Watchdog Function mode (D): When the switch status is "ON" (default OFF), auto-detect the data communication status of all PoE ports in real-time, and restart PoE IP camera timely if the camera is halted Long-distance transmission mode (E) When the switch status is "ON" (default OFF), all PoE ports rate is 10M/250m transmission 4KV Lightning & 8KV ESD Protection 1000Mbps PoE Ports Or Equivalent	Pcs
14	22" Surveillance Monitor	21.5 inch FHD Borderless Monitor Ultra-thin device body with ultra-thin border for 3 sides.;8 bit LVDS HD (1920 × 1080) display. 178° ultra-wide view screen.;3D noise reduction. Low blue light design for eye care.;Dual interface of HDMI and VGA. Support VESA wall mount. Or Equivalent	Pcs
15	43" 4K Surveillance Monitor	43 Inch UHD LED monitor, ideally suited to use to display HD CCTV (24/7 operation) - UHD LED Monitor (3840 x 2160) - Wide viewing angles (178° horizontal and 178° vertical) - Inputs: HDMI (x2), DisplayPort (x2) - Widescreen (16:9) Aspect ratio - 2 x 10W speakers built-in - Multi-language OSD (on-screen display) - 8ms response time - VESA 200 compatible - Supplied with an HDMI cable Or Equivalent	Pcs

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16	Surveillance Monitor 32"	LED backlit technology with full HD 1920 x 1080 32" LED backlight monitor 16.7 million colors display images perfectly Multiple Interfaces: HDMI, VGA, audio In Built-in speaker Wide viewing angle: Horizontal 178°, Vertical 178° 24/7 operation LED backlit technology with full HD 1920x1080 16.7 million color, display picture perfectly HDMI support up to 1080P Or Equivalent	Pcs
17	Electricity Wire	1.5 Sq. MM Flexible Multistrand Electrical Wire 100% Pure Copper Cable For House Wiring And DIY (6Meter To 90 Mtr) NS Certified Brands (6 Colours) Or Equivalent	Pcs
18	Optical SFP Module	TX1310nm/1.25G, RX1550nm/1.25G, LC, single mode and single fiber, 20km, 0~70°C, SFP or Equivalent	Pcs
19	Optical SFP Module	TX1550nm/1.25G, RX1310nm/1.25G, LC, single mode and single fiber, 20km, 0~70°C, SFP or Equivalent	Pcs
20	Optical Fiber 6 Core FRP Cable (with laying charge)	Cable Type: Single-Mode Fiber Optic Cable Jacket Material: High-Density Polyethylene (HDPE) Conductor Material: Glass Fiber OR Equivalent	Meter
21	ONU	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	Pcs
22	Splicing Cost	Splicing Cost Per Spot Or Equivalent	Spot
23	Patchcord	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	Pcs
24	Tiffin Box	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	Pcs
25	CCTV Camera Stand	Metal Stand Or Equivalent	Pcs
26	Miscellaneous Accessories	RJ45, Screw, Tape, Cable Clip, Wall Pin, Pvc Box Or Equivalent	Per CCTV
27	Exsisting CCTV Maintanance and Shifting	Managed, shift and maintanance old and exist CCTV camera Or Equivalent	Per CCTV
28	Installation cost for New CCTV	IP Configuration, NVR Installation, Camera Installation and Setup Or Equivalent	Per CCTV

29	150 AH Tubular Battery	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	Pcs
30	1050 VA UPS	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	Pcs
31	1700 VA UPS	Pure Sine Wave output supply. Advanced DSP control technology. Smart charging up to 90V mains input voltage. Changeover time is less than 10 milliseconds. Graphical display for easy user interface. Inbuilt independent battery charger to recover any deep discharged battery. Compatible with all type of batteries (LA/TUB/SMF). Output Wattage:1360 Watt Output Voltage/ Frequency:220VAC + 5% -10% (until battery low alarm) Or Equivalent	Pcs
32	Pole Box	waterproof, Metallic Or Equivalent	Pcs
33	HDMI CABLE	4K HDMI Cable 5 MTR	Pcs
34	Cat 6 Cable	Material:OFC(oxygen free copper) Color(4-pair):Orange, white/orange; green, white/green; blue, white/blue; brown, white/brown • Core diameter:6.0± 0.50mm • Quality verified by Fluke test • Guaranteed long PoE transmission distance Or Equivalent	Meter
35	Bamboo Box Joint Encloser	Fiber Joint Encloser Or Equivalent	Pcs
36	Extension Cord 4 Socket	Branded;Total Power Outlets:4;Voltage:250 Volts;Special Feature:Led Indicator Or Equivalent	Pcs
37	Optical Fiber Tag	2*2" Acrylic board with laser cutting Or Equivalent	Pcs
38	Cable Tie	Material: Nylon 66 Length: 200mm Width: 3.6mm Or Equivalent	Packet
39	Rack	Main Material SPCC cold rolled steel Thickness Mounting profile 1.5mm, mounting angle 1.2mm. Surface Finish Degreasing, pickling, phosphoric, powder,coatedDegree of Protection IP20 Loading Capacity Static loading: Max. 60KG Color Black RAL9004, Grey RAL7035;Height: 340mm Width:-19"/550mm Or Equivalent	Pcs
40	Display Unit	18.5 inches LED Monitor VGA/HDMI output Flat (wide) screen 17M colors Low power consumption Direct Power Cable Input Or Equivalent	Pcs



41	RJ 45 Connector	15u/30u Inch gold plated contacts Support 1000 Base-T Ethernet Compliant With ROHS Standard 8 pins x 8 conductors Or Equivalent	Pcs
42	Surveillance HDD- 4TB	• SATA 6Gb/s Interface, Capacity:4TB Interface:SATA Form Factor:3.5 Inch • Surveillance Certified Built for 24/7 always-on surveillance in HD security systems Rotational Speed:5400RPM Cache size:64MB Or Equivalent	Pcs
43	Surveillance HDD 8TB	• SATA 6Gb/s Interface, • 64MB Cache, • 5400RPM Performance Class, • 3.5-inch Form Factor • 300,000 Load/unload cycles • Surveillance Certified Built for 24/7 always-on surveillance in HD security systems Superior storage Superior surveillance Or Equivalent	Pcs

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