"शिक्षा स्वास्थ्य र पूर्वाधार, समुन्नत पुतलीबजारको आधार "

पुतलीबजार नगरपालिका
नगर कार्यपालिकाको कार्यालय

प.स : ०८२/८३

च.न : ९८८२

प्रगतिनगर, स्याङ्जा

२०७३

गण्डकी प्रदेश , नेपाल

मिति : २०८२/११/१०

विषयः दररेट उपलब्ध गराउने सम्बन्धमा।

श्री जो जससँग सम्बन्ध राख्दछ,

प्रस्तुत विषयमा यस पुतलीबजार नगरपालिका अन्तर्गतका विभिन्न वडा कार्यालयहरूमा सुरक्षा संवेदनशीलतालाई ध्यानमा राखी सीसीटीभी (CCTV) क्यामेरा जडान गर्ने तथा कार्यालय प्रयोजनको लागि ल्यापटप खरिद गर्नुपर्ने भएकोले, सो कार्यका लागि आवश्यक पर्ने सामग्रीहरूको लागत अनुमान तयार गर्ने प्रयोजनार्थ यस कार्यमा संलग्न इच्छुक आधिकारिक फर्म, कम्पनी वा आपूर्तिकर्ताहरूले तपसिल बमोजिमका सामग्रीहरूको प्रति इकाई दररेट (भ्याट बाहेक) यो सूचना प्रकाशित भएको मितिले ७ (सात) दिनभित्र यस कार्यालयमा वा इमेल मार्फत उपलब्ध गराई दिनुहुन अनुरोध गरिन्छ। साथै, पेश गरिएको दररेटको मान्यता अवधि कम्तिमा ६० दिनको हुनुपर्नेछ।

तपसिलः (आवश्यक सामग्रीहरूको विवरण) :

क.स	सामग्री	ईकाई	संख्या	प्रति इकाई दर (without VAT)	
				संख्यामा	अक्षरमा
१	Laptop computer	संख्या	१		
२	Multi-function laser printer	संख्या	१		
२	4.0 MP IR Network Dome camera	संख्या	१		
३	4.0 MP IR Fixed Bullet Network Camera``	संख्या	१		
४	8-channel POE switch	संख्या	१		
५	8-channel PoE NVR	संख्या	१		
६	Surveillance-Grade Hard Drive	संख्या	१		
७	Network Cable (CAT6)	मिटर	१		
८	Monitor	संख्या	१		
९	Installation charge (जडान कार्य शुल्क)	प्रति क्यामेरा	१		

(नोट : माथि उल्लेखित सामग्रीहरुको *specification*, यसै साथ संलग्न गरिएको छ ।)

धर्मराज ढुंगाना

प्रमुख प्रशासकीय अधिकृत

PUTALIBAZAR MUNICIPALITY

OFFICE OF THE MUNICIPAL EXECUTIVE

Pragatinagar, syangja

Gandaki province, Nepal

Technical Specifications for CCTV Cammera installation

4.0 MP IR Network Dome camera

S. N.	Feature	Minimum Specification Required (Generic)	Bidder's Offered Spec	Compliance (Y/N)
1	Image Sensor	1/3" Progressive Scan CMOS or better		
2	Resolution	Minimum 4.0 Megapixel (2560 × 1440)		
3	Video Compression	H.265+, H.265, H.264+, H.264 Support		
4	Frame Rate	Min 20fps @ 4MP; 25fps @ 1080p		
5	Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON); 0 Lux with IR		
6	Wide Dynamic Range	120 dB True WDR (Wide Dynamic Range)		
7	Lens Type	2.8 mm or 4 mm Fixed Lens (Horizontal FOV min 95°)		
8	Day & Night	IR Cut Filter with Auto Switch; IR range up to 30m		
9	Image Enhancement	3D Digital Noise Reduction (DNR) & BLC		
10	Network Interface	1 x RJ45 10M/100M self-adaptive Ethernet port		
11	Power Supply	12 VDC ± 25% & PoE (802.3af, class 3)		
12	Ingress Protection	IP67 (Water & Dust Resistant)		
13	Vandal Resistance	IK10 (Vandal-Proof Rated Housing)		
14	Protocols	ONVIF (Profile S/G), TCP/IP, IPv4/IPv6, RTSP		
15	Warranty	Minimum 2 Years Comprehensive Warranty		

4.0 MP IR Fixed Bullet Network Camera

S. N.	Feature	Minimum Specification Required (Generic)	Bidder's Offered Spec	Compliance (Y/N)
1	Image Sensor	1/3" Progressive Scan CMOS or better		
2	Resolution	Minimum 4.0 Megapixel (2560 × 1440)		
3	Low Light Performance	Color: 0.01 Lux @ (F2.0, AGC ON); B/W: 0 Lux with IR		
4	Wide Dynamic Range	120 dB True WDR (for clear images against backlight)		
5	Smart Analytics	Human and Vehicle Classification (Motion Detection 2.0)		
6	Video Compression	H.265+, H.265, H.264+, H.264		
7	Audio	Built-in Microphone for real-time audio security		
8	Edge Storage	Built-in MicroSD/SDHC/SDXC slot, up to 256 GB		
9	Illumination	EXIR 2.0 or equivalent advanced IR; Min 30m Range		
10	Lens Options	2.8 mm or 4 mm Fixed Lens (Horizontal FOV min 98°)		
11	Protection Level	IP67 Water and Dust Resistant (Outdoor Rated)		
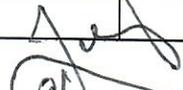
12	Network Interface	1 x RJ45 10M/100M self-adaptive Ethernet port		
13	Power	12 VDC ± 25% & PoE (802.3af, Class 3)		
14	Management	Support for Web Browser, NVR, and Mobile App (iOS/Android)		
15	Warranty	2 Years Comprehensive Manufacturer Warranty		

8-channel POE switch

S.N	Feature	Minimum Specifications Required	Bidder's Offered Spec	Compliance (Y/N)
1	PoE Ports	8 x 10/100/1000 Mbps RJ-45 PoE Ports		
2	Uplink Ports	2 x 10/100/1000 Mbps RJ-45 Uplink Ports (Non-PoE)		
3	Standard	IEEE 802.3af/at Compliant (PoE+)		
4	Power Budget	Minimum 110W to 120W Total PoE Budget		
5	Switching Cap.	Minimum 20 Gbps		
6	Forwarding Rate	Minimum 14.88 Mpps		
7	Extend Mode	Support for Long-Range mode (Up to 250m)		
8	VLAN Support	Port Isolation mode supported via physical switch		
9	PoE Watchdog	Auto-detect and restart unresponsive cameras		
10	Surge Protection	Minimum 6KV for PoE ports		
11	Housing	Durable Metal Case (Fanless Design preferred)		
12	Certification	CE, FCC, RoHS or Equivalent		
13	Warranty	2 Years Comprehensive Warranty		

8-channel PoE NVR

S.N.	Feature	Minimum Specification Required (Generic)	Bidder's Offered Spec	Compliance (Y/N)
1	IP Video Input	8-Channel (Supports up to 8MP resolution per channel)		
2	Incoming Bandwidth	Minimum 80 Mbps (Ensures 8 x 4MP cameras run smoothly)		
3	Video Compression	H.265+, H.265, H.264+, H.264		
4	Decoding Capacity	Min. 1-ch @ 8MP / 4-ch @ 1080p / 8-ch @ 720p		
5	HDMI/VGA Output	1-ch HDMI (up to 4K resolution) and 1-ch VGA (1080p)		
6	Hard Disk (SATA)	1 SATA Interface, Support up to 10 TB per disk		
7	Network Interface	1 x RJ-45 10/100/1000 Mbps self-adaptive Ethernet		
8	PoE Interface	8 independent 10/100 Mbps PoE ports (Plug & Play)		
9	PoE Power Budget	Minimum 75W total PoE power		
10	Smart Functions	Support for Human/Vehicle search, VCA alarms, and SMD		
11	Mobile Access	Support for Cloud P2P (Remote viewing via Android/iOS)		
12	Warranty	2 Years Comprehensive Manufacturer Warranty		

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CCTV Procurement Specification

Surveillance-Grade Hard Drive

S.N.	Feature	Minimum Specification Required (Generic)	Bidder's Offered Spec	Compliance (Y/N)
1	Capacity	6.0 TB (Sufficient for 30-day retention for 8x4MP cams)		
2	Workload Rating	Surveillance-Grade (Optimized for 24/7 continuous writing)		
3	Interface	SATA 6 Gb/s		
4	Cache	Minimum 256 MB		
5	Rotation Speed	5400 RPM or 7200 RPM (Performance Class)		
6	Support	Support for up to 64 HD Cameras		
7	Reliability	Minimum 1 million hours MTBF (Mean Time Between Failures)		
8	Warranty	3 Years Limited Warranty (Manufacturer standard)		

Network Cable (CAT6)

S.N	Feature	Minimum Specification Required (Generic)	Bidder's Offered Spec	Compliance (Y/N)
1	Cable Type	CAT6 UTP (Unshielded Twisted Pair)		
2	Conductor Material	Solid Bare Copper (Do NOT allow CCA - Copper Clad Aluminum)		
3	Wire Gauge	23 AWG (Standard for high-quality Gigabit data)		
4	Jacket Material	High-Density Polyethylene (HDPE) or PVC (FR-PVC preferred)		
5	Transmission Freq.	Up to 250 MHz or higher		
6	Data Rate	Support for 10/100/1000 Mbps (Gigabit Ethernet)		
7	Standard	Compliant with ANSI/TIA-568.2-D and ISO/IEC 11801		
8	Packaging	305-meter (1000 ft) pull-box or roll		

Technical Specifications of MONITOR

S.N	Feature	Minimum Required Specification	Bidder's Offered Spec	Compliance (Y/N)
	Display Size	Minimum 21.45-inch (Diagonal)		
	Panel Type	In-Plane Switching (IPS) technology for wide viewing angles		
	Resolution	Full HD (1920 x 1080 pixels)		
	Refresh Rate	Minimum 100 Hz		
	Response Time	Maximum 4 ms (GtG/OD)		
	Brightness	Minimum 250 cd/m²		
	Contrast Ratio	Minimum 1000:1 (Static)		
	Color Gamut	Minimum 100% sRGB coverage		
	Viewing Angle	Minimum 178° Horizontal / 178° Vertical		
	Connectivity	At least 1 x HDMI (v1.4 or higher) and 1 x VGA (D-Sub)		
	Audio	Built-in Speakers (Minimum 1W x 2)		
	Eye Care	Must include Flicker-Free and Low Blue Light technology		
	Mounting	VESA Wall Mount compatible (75 x 75 mm)		

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CCTV Procurement Specification

Mechanical	Tilt adjustment support (approx. -5° to +15°)		
Power Supply	Compatible with Nepal's standard 220-240V AC (via DC adapter 12V)		
Warranty	Minimum 1-year comprehensive warranty		

Note: All technical parameters are minimum requirements; bidders offering superior specifications will be considered compliant, provided they meet the basic functional needs of the Municipality
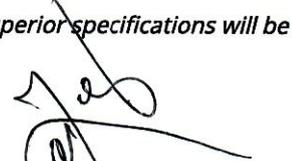
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Pragatinagar, syangja
Gandaki province, Nepal

Technical Specifications of LAPTOP

S.N.	Parameters	Minimum Specifications Required (Generic)	Bidder's Offered Spec	Compliance (Y/N)
1	Brand	Branded Business Series (Bidder to specify)		
2	Certification	ISO & CE Certified		
3	Processor	Intel® Core™ i5 (Min. 13th Gen) OR AMD Ryzen™ 5 (Min. 7000 Series)		
4	RAM	Min. 8 GB DDR5 (Expandable to 16GB)		
5	Storage	512 GB M.2 NVMe™ PCIe® SSD		
6	Display	14.0" to 15.6" FHD (1920x1080), Anti-Glare		
7	Graphics	Integrated High-Definition Graphics		
8	Network	Native RJ-45 Gigabit Ethernet Port (Built-in)		
9	Wireless	Wi-Fi 6 + Bluetooth 5.2 or higher		
10	Ports	1x Type-C (with Power Delivery), 2x USB-A, 1x HDMI 1.4+		
11	Webcam	Integrated 720p HD with Privacy Shutter		
12	Audio	Built-in Speakers and Microphone		
13	OS	Windows 11 Professional		
14	Battery	Minimum 3-cell 45Wh or higher		
15	Warranty	1 Years Comprehensive Manufacturer Warranty		
16	Security	Trusted Platform Module (fTPM/TPM 2.0) Support		

Note: All technical parameters are minimum requirements; bidders offering superior specifications will be considered compliant, provided they meet the basic functional needs of the Municipality

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Technical Specifications of monochrome multi functional printer

S.N.	Parameters	Minimum Specifications Required (Generic)	Bidder's Offered Spec	Compliance (Y/N)
1	Feature	Minimum Required Specification		
2	Functions	Print, Copy, and Scan (3-in-1)		
3	Print Technology	Electrophotographic Laser		
4	Print Speed	Minimum 30 pages per minute (ppm) for A4 size		
5	Print Resolution	600 x 600 dpi or higher (HQ1200 / 2400 x 600 dpi quality preferred)		
6	Duplex Printing	Automatic two-sided (2-sided) printing		
7	Memory	Minimum 32 MB		
8	Display	Minimum 2-line LCD display		
9	Paper Handling	250-sheet capacity input tray; manual feed slot for envelopes		
10	ADF	Automatic Document Feeder (ADF) with minimum 35-sheet capacity		
11	Connectivity	High-Speed USB 2.0, Ethernet (10Base-T/100Base-TX), and Wireless		
12	Mobile Printing	Support for mobile printing/scanning (e.g., AirPrint, Wi-Fi Direct)		
13	Scanner Type	Flatbed with ADF, Color and Monochrome scanning		
14	Scan Resolution	Optical: Up to 600 x 2400 dpi (from glass)		
15	Copy Speed	Minimum 30 copies per minute (cpm)		
16	Duty Cycle	Monthly duty cycle of at least 10,000 pages		
17	Power Supply	220–240 V AC, 50/60 Hz (as per Nepal's local power standard)		
18	Warranty	Minimum 1-year comprehensive warranty		

Note: All technical parameters are minimum requirements; bidders offering superior specifications will be considered compliant, provided they meet the basic functional needs of the Municipality

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