



कटहरी गाउँपालिका
Katahari Rural Municipality
गाउँ कार्यपालिकाको कार्यालय
Office of Rural Municipal Executive
कटहरी, मोरङ
Katahari, Morang

प.सं./Ltr. No.:
च.नं./Ref.No.:

Koshi Province, Nepal
कोशी प्रदेश, नेपाल



मिति : २०८३/०४/२८

बिषय-बजार दररेट पेस गर्ने सम्बन्धी सूचना ।

यस कार्यालयको लागि आ.ब. २०८३/२०८४ मा आवश्यक पर्ने देहाय बमोजिमका मालसामानहरुको लागत अनुमान तयार गर्न प्रचलित बजार दररेट आवश्यक परेको हुँदा इच्छुक आपूर्तिकर्ता/फर्म/कम्पनीहरुलाई आफ्नो लेटरहेडमा हस्ताक्षर तथा छाप सहित ७ दिन भित्रमा दररेट उपलब्ध गराइदिन अनुरोध गरिन्छ।

तपशिल

S.N	Item	Specification	Quantity	Rate
1	Attendance device	Display 2.8-inch TFT Color Screen Fingerprint Capacity 3,000 Fingerprints Card Capacity 3,000 Cards (Optional SSR: 1,000) Transaction Capacity 200,000 Records Communication TCP/IP, USB Host Standard Functions Work Code, SMS, Daylight Saving Time (DST), Record Query, Automatic Status Switch, Timed Ring, T9 Input, 9-Digit User ID, Simple Access Control, Backup Battery Optional Functions ID Card, IC Card, Web Server, Photo ID, ADMS, SSR, DNS, External Bell Power Supply DC 12V / 1.5A Operating Temperature 0°C to 45°C Operating Humidity 20% to 80% RH Dimensions (L x W x T) 184 x 136 x 40.29 mm	1pcs	
TECHNICAL SPECIFICATION FOR CCTV SYSTEM				
1. Media Converter				
	Item	Technical Specifications		
1	Gigabit Media Converter (20 KM)	• 1x Gigabit RJ45 + 1x Gigabit Fiber Port • Single Mode Fiber • Transmission Distance: 20 KM • Wavelength: 1310/1550 nm • Standard: IEEE 802.3z/ab • Power Input: DC 5-12V • Operating Temperature: -10°C to 55°C	1Pcs	
2. IP Cameras				
	Item	Technical Specifications		
1	2 MP Smart Hybrid Light Fixed Turret Network Camera	• 2 MP resolution • Human & Vehicle Detection • Smart Hybrid Light Technology • Built-in Microphone • H.265+ Compression • Supports up to 512 GB SD Card (Optional) • IP67 Weatherproof	1Pcs	
		• 2 MP resolution	1Pcs	

शिक्षा कृषि उद्योग पूर्वाधार, समृद्ध कटहरीको मूल आधार

कटहरी गाउँपालिका, गाउँकार्यपालिकाको कार्यालय, कटहरी, मोरङ, कोशी प्रदेश, नेपाल, फोन नं.: ०२३-८०८९००

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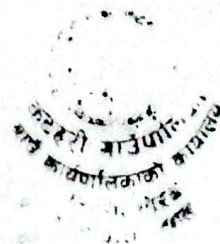
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2	2 MP ColorVu Fixed Bullet Network Camera	• Full-color imaging 24/7 • Human & Vehicle Detection • H.265+ Compression • IP67 Weatherproof • Supports up to 256 GB SD Card (Optional) • Built-in Microphone (Optional)	1Pcs	
3	4 MP Smart Hybrid Light ColorVu Fixed Bullet Camera	• 4 MP resolution • ISP noise reduction • 24/7 ColorVu imaging • Deep Learning Human/Vehicle Classification • Smart Hybrid IR/White Light • Anti-corrosion NEMA4X Standard • IP67 Weatherproof	1Pcs	
4	2.4 2 MP Fixed Dome Network Camera	• High quality 4 MP imaging • H.265+ Compression • 120 dB WDR • EXIR 2.0 IR Technology • IP67 & IK10 Vandal Resistant	1Pcs	
5	2.5 2 MP Fixed Turret Network Camera	• 2 MP resolution • H.265+ Compression • DWDR • EXIR 2.0 Long-Range IR • IP67 Weatherproof	1Pcs	
6	2.6 2 MP ColorVu Smart Hybrid Light Bullet Camera	• 2 MP resolution • Human & Vehicle Detection • Smart Hybrid Light • H.265+ Compression • Up to 512 GB SD Card Support • Built-in Microphone • IP67 Weatherproof	1Pcs	
3. Network Switches				
	Item	Technical Specifications		
1	16-Port Fast Ethernet Unmanaged PoE Switch	• Intelligent PoE Management • Up to 300 m PoE Transmission • 4/8-Core Adaptive Power Supply • 6 KV Surge Protection • VIP Port for Priority Video Traffic	1Pcs	
2	24-Port Fast Ethernet Unmanaged PoE Switch	• Intelligent PoE Management • 300 m Long-Range Transmission • 4/8-Core Adaptive Power Supply • 6 KV Surge Protection • VIP Priority Port	1Pcs	
3	3.3 4-Port Fast Ethernet Unmanaged PoE Switch	• 4x PoE Ports + 2x RJ45 Uplink • IEEE 802.3at/af (Max 35W) • 6 KV Surge Protection • 300 m Transmission • Fan-less Metal Design	1Pcs	
4	8-Port Fast Ethernet Unmanaged PoE Switch	• Intelligent PoE Management • 300 m Long-Range Transmission • IEEE 802.3bt Hi-PoE (Max 90W) • 6 KV Surge Protection	1Pcs	
4. Networking Cables				
	Item	Technical Specifications		
13	Cat6 Indoor Cable	• 100% Pure Copper • 23 AWG Solid Conductor • PVC Jacket • Bandwidth: 250 MHz • TIA/EIA-568-C.2 Standard • 305m Box	1Pcs	



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2	Cat6 Outdoor Cable	• 100% Pure Copper • 23 AWG Solid Conductor • UV-Resistant HDPE Jacket • Water-Block Gel Filled • Bandwidth: 250 MHz • Suitable for Outdoor CCTV Use	1Pcs	
5. Network Video Recorder (NVR)				
	Item	Technical Specifications		
1	64-Channel 8K NVR (1.5U)	• Supports H.265+/H.265/H.264+/H.264 • 64-channel IP Camera Input • High decoding capability up to 32 MP • 400 Mbps Incoming & Outgoing Bandwidth • HDMI x2 & VGA x1 (Up to 8K Output) • Supports up to 8 IP Speakers	1Pcs	
6. Optical Network Unit (ONU)				
	Item	Technical Specifications		
1	XPON ONU	• XPON Port (EPON PX20+ / GPON Class B+) • SC Single-Mode, SC/UPC Connector • TX Power: 0 to +4 dBm • RX Sensitivity: -27 dBm • Distance: 20 KM • Wavelength: TX 1310 nm / RX 1490 nm • 1x 2.5GbE RJ45 Auto-Negotiation Port	1Pcs	
7. PVC Boxes				
	Item	Technical Specifications		
1	PVC Outdoor Box	• 4x4 CCTV Weatherproof Outdoor Junction Box	1 pcs	
2	PVC Indoor Box	• 4x4 CCTV Weatherproof Indoor Junction Box	1 pcs	
8. Power Extension				
	Item	Technical Specifications		
1	4-Outlet Heavy Extension Cord	• 16 Amp Capacity • Heavy-Duty Build • 4 Power Outlets	1 pcs	
9. Installation & Setup				
	Item	Details		
1	Installation Work	• Complete installation of CCTV • OLT/ONU networking setup • POE Switch configuration • NVR setup • Camera mounting & alignment • Complete surveillance setup • System testing & handover	1pcs	
Goods Specifications:				
	Items	Specification		
10	Multifunction Printer 3 in 1	Print, Copy and scan, Up to 18 / 19cpm (A4 / LTR) 150-sheet cassette, 2 on 1, ID Card Copy, Monochrome Laser; max power 960W, during operation. 450W; Cartridge 325	1 pcs	
11	Desktop PC	Core i5 10th Gen Processor, DDR4 4 GB RAM, 256 GB SATA SSD, Mouse, Keyboard	1 pcs	
12	Monitor	LED-backlit LCD monitor, 19.5 inch, Aspect Ratio: 16:9, Native Resolution: 1600 x 900 at 60 Hz, Brightness: 200cd/m ² (typical)	1 pcs	
13	SATA SSD	512 GBStorage,NANDFlash:3D NAND,Weight:59.5g / 2.1oz, Interface : SATA 6Gb/s, Sequential Read (Max*) : Up to 520MB/s, Sequential Write (Max*) : Up to 450MB/s	1 pcs	
14	External HDDcase	USB3.2Gen1(USB5Gbps),DC5V,900mA,compatibility7mm/9.5mm,HDD/SSD	1 pcs	
15	Pendrive	High speed pendrive USB 3.0, Capacity:64 GB, Form Factor:USB flash	1 pcs	
16	UPS	700VA UPS, SingleBattery, 8-10Min*backup	1 pcs	
Specification For Supply of LED Interactive Smart Board				



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General Description	
Category	Specification
Display Size	75 Inch
Panel Type	IPS LED, D-LED Backlight
Resolution	3840 × 2160 (4K UHD)
Aspect Ratio	16:09
Brightness	> 400 cd/m ²
Contrast Ratio	1200:01:00
Viewing Angle	178° (H/V)
Color Depth	1.07 Billion (10-bit), 85% NTSC
Glass	4 mm Anti-Glare Toughened Glass
Touch Technology	Infrared Touch
Touch Points	50-Point Touch (Whiteboard)
Touch Accuracy	±1 mm
Response Time	< 8 ms
Android System	
Parameter	Specification
OS	Android 14.0 (Google EDLA Certified)
CPU	Octa-Core (A73 + A53), up to 2.2 GHz
GPU	G52 MP8 or Higher
RAM	16 GB LPDDR4X or Higher
Storage	256 GB or Higher
Language Support	English, Nepali & Multi-Language
AI & Whiteboard Features	
Feature	Specification
AI Assistant	Floating AI Bot (Voice/Text)
AI Functions	Q&A, Image Creation, Translation, Live Subtitle
Whiteboard AI	AI Sticky Notes, Mind Map, Quiz Generator
Whiteboard Tools	PDF Annotation, Shapes, Math & Geometry
Multi-Tasking	Split Screen & Multi-App Support
Audio, Camera & Controls	
Parameter	Specification
Speakers	60 W (20W ×2 + 20W Subwoofer)
Microphone	8-Array Mic, 12 m Pickup, AEC & AGC
Camera	Quad Camera (48 MP + 3 × 8 MP)
Gesture Control	Brightness, Volume, Screenshot, Record, Split Screen
Connectivity	
Feature	Specification
Wi-Fi	Dual Band (Wi-Fi 6 + Wi-Fi 5)
Bluetooth	Bluetooth 5.3
NFC	Supported (ISO/IEC 14443 A/B)
Screen Mirroring	Windows, macOS, Linux, iOS & Android
BYOM	One-Click Camera & Mic Access
Hotspot	Dual Band 2.4 / 5 GHz
Input / Output Ports	
Ports (Minimum)	
HDMI IN ×2, HDMI OUT ×1	
Display Port ×1, DP IN ×1	
Type-C ×1 (Front ×1)	
VGA IN ×1	
USB 2.0 ×1, USB 3.0 ×2	
Front USB ×2	
Touch USB ×3	
LAN ×2	
Audio IN ×1, Audio OUT ×1	
Mic IN ×1, SPDIF ×1	
RS-232 ×1	
SD Card ×1	
OPS Slot ×1	

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Mechanical & Power		
Parameter	Specification	
Product Size	1968 × 88 × 1160 mm	
VESA Mount	600 × 400 mm	
Housing	Metal	
LED Life	> 50,000 Hours	
Power Consumption	≤ 2 W (Standby)	
Accessories (Free Supply)		
Included Items		
Wall Mount Bracket		
Magnetic Pen ×2		
Remote Controller		
HDMI Cable		
Touch Cable		
Power Cord		
Expansion Screws		
User Manual & Warranty Card		

Technical Specification of Branch Firewall/Router		Quantity	Rate
Particulars	Requirements		
Brand name	To be specified by the bidders		
Model	To be specified by the bidders		
Certification	ISO/CE		
Processor	Multi-core Processor		
Memory	At least 4GB DDR3		
Storage	*GB eMMC		
Interface / ports	6* 1GBE RJ-45 ports , 2* 1GBE SFP ports, 1*RJ-45 console port, 1*USB 2.0 port, LEDs for system status		
Features	•Virtual Route Forwarding (VRF) Lite •DNS Proxy and DNS Spoofing		
Security Feature	•Secure Sockets Layer (SSL) VPN for secure remote access •Hardware-accelerated DES, 3DES, AES 128 AES 192, and AES 256 •Public-Key-Infrastructure (PKI) support •IPsec tunnels •Advanced application inspection and control •Flexible packet matching •Dynamic and static port security •Control plane policing •HTTPS, FTP, and Telnet Authentication Proxy	1	
Warranty and support	Minimum 1 years with Parts replacement and service.		
Installation and Configuration	The contractor need to perform all necessary tasks including but not limited to		
Accessories	All related Accessories should be supplied		
Qualification	The proposed appliance OEM should be Leader/challenger in Gartner Magic Quadrant for wired and Wireless LAN Infrastructure at least once in last 2 years.		
Service Tag	Should be provided at the time of delivery.		
MAF	MAF Should be in the name of bidder and address to the survey department.		
Management	web-based GUI command line CLI(SSH)		



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Monitoring	SysLog support SNMP v1. v2c.v3	
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Technical Specifications : LAN Switch		Quantity	Rate
Particular	Requirements	1	
Model	To be mentioned by bidder		
Certification	ISO / CE		
Ports	Minimum 24x Gigabit RJ45 ports + minimum 2x combo Gigabit SFP POS		
Switching Capacity	54 Gbps or higher		
Forwarding performance(64 Byte packet size)			
Management	SSH, HTTPS, SNMP		
Features	Advanced defense mechanisms, including Dynamic ARP Inspection (DAI), IP Source Guard, and Dynamic Host Configuration Protocol (DHCP) snooping, detect and block deliberate network attacks. Combinations of these protocols are also referred to as IPMB (IP-MAC-port binding).		
	DOS (denial-of-service) attack prevention maximizes network uptime in the presence of an attack		
	Protection of management sessions using Radius, TACACS+ and local database authentication as well as secure management sessions over SSL, SSH, and SNMPv3.		
	Support for advanced network security applications such as IEEE 802.1 X port security to tightly limit access to specific segments of our network. Web based authentication provides a consistent interface to authenticate all types of host devices and operating systems, without the complexity of deploying IEEE 802.1 X clients on each endpoint.		
	Time based ACLs and Port Operation restrict access to the network during predesignated times, such as business hours.		
Warranty and Support	Minimum 1 year with parts replacement and service		
Installation and Configuration	The contractor need to perform all necessary tasks including but not limited to Installation, configuration and support up to warranty periods.		
Accessories	All related accessories should be supplied		
Qualification	The proposed appliance OEM should be leader in gartner Magic Quadrant for wired and Wireless LAN Infrastructure for last 2 years.		
MAF	MAF Should be in the waive of bidder and address to the survey department.		
Service Tag	Should be provided at the time of delivery.		

Technical Specification Of Desktop Computer		Quantity	Rate
Particular	Requirements		
Brand Name	To be specified by the bidder		
Model Number	To be specified by the bidder		
Processor	Processor released in year 2023 or later with minimum 6 core cpu and base frequency 2.5 GHz or higher		
Ram	8GB		



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Storage	SSD 512 GB or more	1	
Operating System	Genuine Windows 11 or latest		
Graphic	Integrated graphics 4 GB or more (if not build in branded, installation after delivery)		
Slots and ports	at least 4 USB ports, Audio in/out, M.2 slot		
Form Factor	Tower/mini tower		
LAN Controller	Ethernet controller with RJ45, Wifi (Inbuilt or integrate after delivery)		
Monitor	Same brand LED monitor of display size 21" or higher, should have input for 1 HDMI and 1 VGA ports		
Accessories	USB Keyboard, Optical mouse and all standard accessories		
Warranty	Minimum 1 Year		
Service Tay	Should be provided at the time of delivery		

Technical Specification : A3 Printer		Quantity	Rate
1. Multifunction Laser Printer (3 in 1)		1	
Particulars	Requirements		
Type	Laser Printer		
Brand Name	To be specified by the bidder		
Model Number	To be specified by the bidder		
Type	Monochrome Laser Printer		
Resolution	600x600 DPI or better		
Print Speed	More than 10 ppm (A3)		
Paper Size	A3, A4, LGL, Executive, Envelope		
Paper Input	200 sheets or more		
Paper Output	100 sheets or more		
Interface	USB 2.0 or better, LAN		
Power Requirement	220 — 240V (+/-10%), 50 / 60Hz (+/-2Hz)		
Warranty	One Year on both parts and services		
Accessories	All standard accessories		

Technical Specification Of A4 Printer		Quantity	Rate
1. Multifunction Laser Printer 3 in 1)		1	
Particulars	Requirements		
Type	Multifunctional Laser Printer (3 in 1)		
Brand Name	To be specified by the bidder		
Model Number	To be specified by the bidder		
Type	Monochrome Laser Printer		
Resolution	600x600 DPI or better		
Print Speed	More than 20 ppm (A4)		
Paper Size	A4, LGL, Executive, Envelope		
Paper Input	200 sheets or more		
Paper Output	150 sheets or more		
Interface	USB 2.0 or better, LAN		
Power Requirement	220 — 240V (+/-10%), 50 / 60Hz (+/-2Hz)		
Warranty	One Year on both parts and services		
Accessories	All standard accessories		
Facility	Automatic 2-sided printing		
Function	Print, Scan, Copy (Multi function)		
Scan Resolution	500 x 500 dpi or higher		
Auto Document Feeder	20 sheets or more		



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2.Color Laser Printer			
Particulars	Requirements		
Type	Color laser Printer	1	
Brand Name	To be specified by the bidder		
Model Number	To be specified by the bidder		
Type	Color (CMYK) Laser Printer		
Resolution	600x600 DPI or better		
Print Speed	More than 15ppm (A4		
Paper Size	A4, LGL, Executive, Envelope		
Paper Input	200 sheets or more		
Paper Output	150 sheets or more		
Interface	USB 2.0 or better		
Power requirement	220 — 240V (+/- 10%), 50 / 60Hz (+/-2Hz)		
Warranty	One Year old both parts and services		
Accessories	All standard accessories		
Facility	Auto-Duplex		



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