



नेपाल सरकार

सञ्चार तथा सूचना प्रविधि मन्त्रालय

हुलाक सेवा विभाग



फोन नं.: ०१४२२४९९६

०१४२२४९९७

०१४२२९३२९

फ्याक्स नं.: ०१४२२४९४३

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बबरमहल, काठमाण्डौ, नेपाल

पत्र संख्या:- ०८२/८३

च.नं.:-

मिति: २०८२/१०/११

विषय: दररेट पेस गर्ने सम्बन्धमा ॥

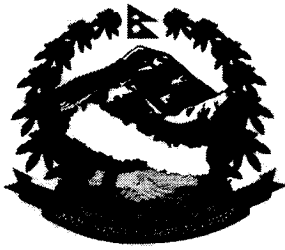
यस विभागका लागि देहायको स्पेसिफिकेशन अनुसारका सूचना प्रविधि सामानहरु खरिद गर्नु पर्ने भएको हुँदा सूचना प्रकाशन भएको मितिले ७ (सात) दिन भित्र दररेट पेस गर्नुहुन सबैमा यो सूचना आवाहन गरिएको व्यहोरा जानकारीका लागि अनुरोध छ।

Technical Specification of IT Equipment

Item No.	Items	Description of Items	Qty	Rate Per unit (without VAT)
1	Branded Desktop	• Processor: i5 (13th Gen or above, 4.7 GHz Turbo, 12M Cache) or higher		
		• RAM: 8GB DDR4 (expandable up to 16/32GB)		
		• Storage: 512GB SSD (SATA / NVMe) or higher		
		• Display: ~19" LED Monitor HD (Model and Brand Must be included by bidder)		
		• Graphics: Integrated or Entry-level dedicated GPU or equivalent		
		• Input Devices: Wired/Wireless Keyboard & Mouse, internal or external speaker		
		• Operating System: Windows 10 / 11 (activated)		
		• Connectivity: Ethernet LAN, Wi-Fi, (Bluetooth optional)		
		• Ports: USB 3.0 / 2.0, HDMI, DisplayPort		
		• Warranty: Minimum 1 year on parts and servicing		
		• Included required accessories		
2	Barcode Printer	• Print Media: Labels, tags, continuous rolls		
		• Print method: Thermal transfer or direct thermal		
		• Ribbon Capacity: 300 m or above		
		• Print Width: ~4 inches		
		• Print Resolution: 203 dpi (minimum) 300 dpi (optional)		
		• Print Speed: up to 6 inches per second		
		• Connectivity: USB 2.0/3.0		
		• Storage: minimum 64 MB		

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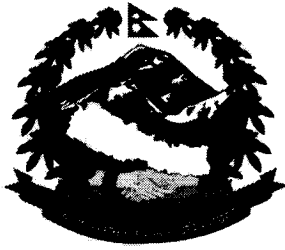
पत्र संख्या:- ०८२/८३

च.नं.:-

		Supported Barcode Types: 1D/2D		
		Dimensions and weight: Light, Portable and Compact		
		Warranty: Minimum 1 year on parts and servicing		
3	Barcode Scanner (Wireless)	- Scan Technology: Laser / Imager (2D/1D supported) - Connectivity: Bluetooth / 2.4G USB Wireless / USB 2.0 Wired - Scan Range: 0-50 cm - Scan Resolution: Minimum 4 mil (0.1 mm) for barcodes - Scan Speed: ≥ 100 scans/sec or ≥ 30 inches/sec - Decode Capability: Supports common 1D & 2D barcode types (Code128, QR, EAN, UPC) - Battery: Rechargeable Lithium-ion, ≥ 8 hours continuous operation - Connectivity: 2.4 GHz RF + Bluetooth 4.0/5.0 support - Operating Range: Up to 100 meters (wireless) - Package Dimensions: Compact and ergonomic design for hand-held use - Indicator & Feedback: LED/Buzzer/Tactile feedback for successful scan, (Optional vibration feedback) - Accessories: Including all accessories (Micro USB Cable, charging cable/dock, etc) - Warranty & Support: Minimum 1-2 years warranty		
4	Mobile	- Display: 6.7" HD+ PLS LCD, 60Hz - Processor: MediaTek Helio G85 4G (12nm) or equivalent - Memory: 6 GB RAM, 64/128GB Storage (expandable) - Rear Camera: Dual Camera Setup (50MP + 2MP) - Front Camera: 8MP - Battery: 5000mAh, 25W Charging		

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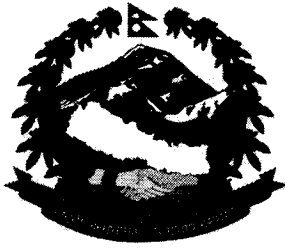
पत्र संख्या:- ०८२/८३

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5	Power Backup with Battery	Inverter Specification:		
		• Capacity: Minimum 2 KVA Online UPS		
		• Input Voltage: 220V AC (±20%) (wide tolerance)		
		• Output Voltage: 220V AC (Pure Sine Wave)		
		• Output Frequency: 50 Hz ± 1%		
		• Protection: Overload, short-circuit, surge/spike protection		
		• Display: LCD/LED indicators for Load, Battery, and Fault Status		
		• Audible Alarm: Yes – for battery low, overload, fault		
		Battery Specification:		
		• Battery Type: Sealed Maintenance-Free VRLA / SMF or Lithium-ion		
		• Backup Time: Minimum 2–3 Hours (with full load)		
		• Recharge Time: ≤ 8 hours to 90%		
		• Warranty: 2 years system (batteries 1 year or specified cycles)		
		• Compliance / Standards: CE/ISO/Local electrical safety standards		
6	CC Camera Set (4-camera CCTV surveillance system with Recorder (NVR))	CCTV Specification:		
		• Resolution: 5MP (1080p Full HD)		
		• Day/Night Function: Auto IR-cut filter (color day, B/W night)		
		• Frame Rate: 25–30 fps (smooth video)		
		• Lens: Fixed or vari-focal lens providing wide coverage		
		• Night Vision: ≥ 20–30 m IR range		
		• Network Protocols: IPv4, HTTP/HTTPS, RTSP, ONVIF compliance (for easy NVR integration) or (any Mobile and Web Access)		
		• Weatherproof Rating: weatherproof, IP66/IP67 rated for durability		

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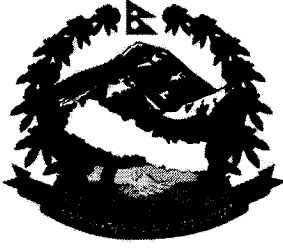
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च.नं.:-

		NVR Specification:		
		• Storage Capacity: min. 5TB (expandable as required)		
		• Frame Rate: 25-30 fps per channel		
		• Network: 1× RJ-45 LAN (minimum)		
		• Display Output: HDMI + VGA		
		• Remote Access: Mobile & PC remote viewing		
		• Playback Functions: Time/date search, motion search		
		• USB Ports: For backup/export		
		• Backup Options: USB / network export		
		• Recording: 24/7 Continuous and Motion-based		
		• Power Supply: Included (PoE/adaptor)		
		• Includes NVR, Cables, Connectors, and Required Installation Accessories		
7	3 in 1 Printer	• Function: Print, Copy, Scan		
		• Print Type: Laser Printer		
		• Print Speed: Up to 30 ppm (A4, normal mode)		
		• Print Resolution: minimum 600 x 600 dpi in Normal mode		
		• Scan Resolution: $\geq 600 \times 600$ dpi		
		• Scan Type: ADF		
		• Copy Resolution: $\geq 600 \times 600$ dpi		
		• Connectivity: Wi-Fi, Ethernet, USB 2.0		
		• Memory / Processor: Adequate memory for smooth multi-task (≥ 64 MB)		
		• Duplex Printing: Automatic double-sided printing		
		• Paper Handling: 250-sheet input tray, 100-sheet output tray		
		• Duty Cycle: Minimum 10,000 pages/month		

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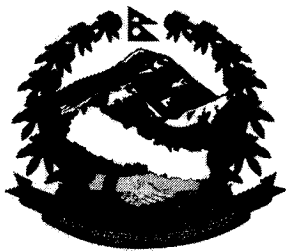
पत्र संख्या:- ०८२/८३

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		Supported Paper Sizes: A4, A5, Letter, Legal		
		Connectivity: USB + Ethernet + Wireless (Wi-Fi)		
		Accessories: Include starter toner/ink and recommended yield spec and all accessories.		
8	E-Attendance Machine	Type: Biometric (Fingerprint and Face Recognition & RFID Attendance Device)		
		Authentication Modes: Face + Fingerprint + RFID Card + Password (multi-mode)		
		Display: Color LCD / TFT screen (2.8"-4.3")		
		Fingerprint Capacity: 1,000-2,000 users		
		Transaction Storage: >40,000 logs		
		Communication Interfaces: TCP/IP (LAN) + USB host (for data upload), Wi-Fi (optional)		
		Battery Backup: Built-in battery backup for short power outages		
		Must be Included Software Interface		
9	Network Switch	Ports: 8 × 10/100Mbps PoE + 2 × 10/100Mbps RJ45		
		Standards: IEEE 802.3, 802.3u, 802.3x		
		Surge Protection: 6 KV for PoE ports		
		Range: Up to 300m		
		Switching Capacity: ≥ 1 Gbps (non-blocking, full wire-speed for all ports)		
		VLAN Support: Multiple VLANs supported		
		Must be Included Software Interface		
		Cabling Support: UTP, Cat5 / Cat5e / Cat6		
10	Router	Dual-band Gigabit Router (2.4 GHz + 5 GHz)		
		Wireless Standards: IEEE 802.11 a/b/g/n/ac (dual-band)		
		Wireless Speed: ≥ 300 Mbps on 2.4 GHz + ≥ 867 Mbps on 5 GHz (combined ≥ 1.2 Gbps)		

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		• Ports: 4 × Gigabit LAN, 1 × Gigabit WAN		
		• VLAN Support		
		• Security: WPA3, Firewall, VPN support		
		• Must be Included Software Interface		
		• Features: MU-MIMO, Beamforming, Parental Control		

Notes:

1. Brand and Model name must be included for every product.
2. Official company verified link (URL) for the product should be included.