माछापुच्छ्रे गाउँपालिका
Machhapuchchhre Rural Municipality
गाउँ कार्यपालिकाको कार्यालय
Office of the Rural Municipal Executive

लाहाचोक, कास्की
Lahachowk, Kaski
गण्डकी प्रदेश, नेपाल
Gandaki Province, Nepal

पत्र संख्या / Letter No. ०८०/०८१
चलानी नं / Issue No. ४९४

मिति २०८०।०६।११

विषय : दर रेट पेश सम्बन्धमा ।

श्री आपूर्तिकर्ताहरु (सबै),

प्रस्तुत विषयमा यस गाउँपालिकाको कार्यालयका लागि तपशिल बमोजिमको स्पेसिफिकेशन र संख्यामा खरिद गर्नुपर्ने भएकोले के कति दर रेटमा उपलब्ध गराउन सकिने हो प्रति इकाइ दर रेट पत्र प्राप्त भएको मितिले ७ दिन भित्र यस गाउँपालिकाको कार्यालयमा पेश गर्नुहुन अनुरोध छ।

S.N.	Particulars	Unit	Qty	Rate	Total
For New Building					
1	2MP Dome Camera (Vandal Proof)	Pcs	1		
2	PTZ Camera 25x Zoom (Outdoor)	Pcs	1		
3	2MP Normal Bullet Camera	Pcs	1		
4	NVR (64 Channel)	Pcs	1		
5	55" TV (Display Unit)	Pcs	1		
6	Surveillance Hard Drive (8TB)	Pcs	1		
7	8 Port POE Switch with 2 Uplink	Pcs	1		
8	4 Port Gigabit Switch	Pcs	1		
9	CAT6 Cable (Pure Copper)	Drum/Roll(305 m)	1		
10	RJ45 (Branded)	Packet(Approximately 100 Pcs/Packet)	1		
11	9U Server Rack	Pcs	1		
12	PVC Junction Box Network Switch	Pcs	1		
13	Power Distribution Unit	Pcs	1		
14	50mm PVC Listic (Wiring Duct)	Meter	1		
15	20 mm PVC Listic (Wiring Duct)	Meter	1		

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16	Power Socket	Pcs	1		
17	2.5 sq. mm Multi Standard Cable	Meter	1		
For ward office, ward 1 and 5					
18	4MP Bullet Camera	Pcs	1		
19	2MP dome ColorVu	Pcs	1		
20	8 Channel NVR	Pcs	1		
21	Surveillance 2TB Hard Disk	Pcs	1		
22	8 Port POE Switch with 2 Uplink	Pcs	1		
23	CAT6 Cable (Pure Copper)	Drum/Roll	1		
24	4U Server Rack	Pcs	1		
25	Double Power Socket	Pcs	1		
26	2.5 sq. mm Multi Standard Cable	Meter	1		
27	30 mm PVC Listic (Wiring Duct)	Meter	1		
28	**Installation charge and support**	Installation in whole office building and wards			
			TOTAL		
			13% VAT		
			Grand Total		

गोपीकृष्ण अर्याल
प्रमुख प्रशासकीय अधिकृत

गोपी कृष्ण अर्याल
प्रमुख प्रशासकीय अधिकृत

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Specification

1. 2 MP IR Fixed Network Dome Camera:

Minimum Requirements

- Make: (Must Be Full Member Of ONVIF)
- Resolution: 2MP
- Image Sensor: 1/2.8" progressive Scan CMOS
- Resolution: 1920*1080 or better
- Frame Rate: 25fps @ 1920*1080 or better
- Lens :2.8 or better
- Min. illumination: Color: 0.01 Lux @ (F1.2, AGC ON), 0.028Lux @ (F2.0, AGC ON)
- Day Night :24 -Hour Colorful Video
- Video Compression: H.265+ Compression
- Image Setting: Saturation, brightness, Contrast, Sharpness, AGC, White Balance
- Features: 3D DNR, BLC, IR, HLC
- Users: 20 or better
- Smart Supplement Light; 1Units of Warm LED Light
- White Light Range :30 meter
- WDR: DWDR
- General Function: Anti-flickers, heartbeat, mirror, password protection, privacy mask, water mask, IP address filter
- Smart Features: Line crossing detection, intrusion detection
- OSD; Date, Time and Camera name
- Kathmandu Time Zone: Yes
- Communication Interface: 10/100M Ethernet port
- TCP/IP, ICMP, HTTP, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP
- Ingress Protection: water and dustproof IP67, vandal proof IK10
- Power DC 12V PoE
- Warranty: 1 Year

Manufacturer's Authorization Letter: All the technical parameters should be confirmed by the Original Manufacturer on their duly signed compliance sheet on their letterhead for this project.

2. 4 MP 25X IR Network Speed Dome

Minimum Requirements

- Make: (Must Be Full Member Of ONVIF)
- Resolution: 4MP, 2560x1440 or better
- Image Sensor: 1/2.8" progressive Scan CMOS
- Frame Rate: 50hz:25fps @ 2560x1140 or better
- Lens: 4.8mm to 120mm, 25x optical zoom or better
- Min. illumination: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001Lux @ (F1.6, AGC ON), 0 Lux with IR
- Lens Working distance: 10mm to 1500mm (wide tele) or better
- Aperture range: F1.6 to F3.5 or better
- Features: HLC/BLC/3D DNR/Defog/ EIS/Regional exposure/ regional focus.
- Video Compression: H.265+ Compression or better
- Video bitrate: 32kbps to 16384Kbps
- Users: 20 or better
- Network storage: Built in memory card slot, support micro-SD/SDHC/SDXC, up to 256GB
- Automatic/ semi-Automatic/ manual focus with white balance function
- IR cut filter with 100m IR distance
- 120db WDR or better
- General Function: password protection, programmable privacy mask,
- Smart Features: Motion Detection, Video Tampering Detection, Exception Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection
- Smart record Feature with ANR, Dual-VCA
- 360 deg endless movement range with configurable pan speed and tilt range of -15 deg to 90 deg
- Patrol scan of 8 patrols or better, pattern scan of 4 patterns or better
- OSD; Date, Time and Camera name
- Kathmandu Time Zone: Yes
- Communication Interface: 10/100M Ethernet port
- IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour Ingress
- Protection: IP66 Standard, TVS 4000V Lightning Protection
- Power DC 12V PoE
- Warranty: 1 Year

Manufacturer's Authorization Letter: All the technical parameters should be confirmed by the Original Manufacturer on their duly signed compliance sheet on their letterhead for this project.

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लाहाचोक, कास्की
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Gandaki Province, Nepal

3. 2 MP fixed bullet network camera
Minimum Requirements
- Make: (Must Be Full Member Of ONVIF)
- Resolution: 2MP, 1920*1080 or better
- Image Sensor: 1/2.8" progressive Scan CMOS
- Frame Rate: 50hz:25fps @ 1920*1080 or better
- Lens: 4mm or better
- IR range of 50 m or higher with 850nm and smart supplement light
- Min. Illumination: Color 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR
- Aperture range: F2.0 or better
- Features: HLC/BLC/3D DNR
- Video Compression: H.265+ Compression or better
- Video bitrate: 32kbps to 8Mbps or better
- Users: 30 or better
- Digital WDR
- General Function: Password protection, complicated password, HTTPS encryption, watermark, IP address filter,
- Smart Features: Motion detection, video tampering alarm, exception (illegal login)
- OSD; Date, Time and Camera name
- Kathmandu Time Zone: Yes
- Communication Interface: 10/100M Ethernet port
- TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, IGMP, QoS, UDP
- Protection: Ingress protection: IP67
- Power DC 12V PoE
- Warranty: 1 Year

Manufacturer's Authorization Letter: All the technical parameters should be confirmed by the Original Manufacturer on their duly signed compliance sheet on their letterhead for this project.

4. 64 Channel 2U 4K NVR
Minimum Requirements
- IP Video Input: Up to 64 channel IP cameras
- Up to 12 MP high-definition live view, storage and playback
- Up to 320 Mbps (or 200 Mbps when RAID is enabled) high incoming bandwidth ensures IP cameras can be connected
- Decoding format: H.265+/H.265/H.264+/H.264/MPEG4

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- 2 HDMI (different source), 2 VGA (different source) interfaces, 2 USB port (at least on of USB 3.0)
- Decoding capability: 1-ch@32 MP (30 fps)/2-ch@12 MP (20fps)/4-ch@8 MP (25fps)/8-ch@4 MP (30fps)/16-ch@1080p (30fps)
- SATA: 8 SATA interfaces Supporting hot plug for continuous video recording
- Should Supports some specialist cameras, including people counting camera/ANPR (automatic number plate recognition) camera/fisheye camera
- Should have Advanced streaming technology that enables smooth live view in poor network conditions
- Should Supports RAID 0, 1, 5, 6, 10 and N+1 hot spare for even more reliable data storage, effectively avoids data loss risks
- Network Protocol: TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
- Communication Interface: 2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
- Power: 100 to 240V AC, 50Hz
- Warranty: 1 Year

Manufacturer's Authorization Letter: All the technical parameters should be confirmed by the Original Manufacturer on their duly signed compliance sheet on their letterhead for this project.

5. 55" 4K HD Smart Display
Minimum Requirements
- Display: 4K HDR
- Resolution: 3840x2160 @ 60Hz
- Axillaries: USB port, HDMI port (at least 2), AV, Ethernet, 2.4GHz/5GHzWIFI, LAN
- Video Decoder: MPEG4/Real/H.264
- OS: Android
- CPU: 2GB Ram 64-bit quad core or more
- Storage: 8 GB or more
- Power: 100-240V AC, 50Hz

Manufacturer's Authorization Letter: All the technical parameters should be confirmed by the Original Manufacturer on their duly signed compliance sheet on their letterhead for this project.

6. Surveillance Hard Disk
Minimum Requirements
- Size: 8TB and 2 TB both
- Specifically for surveillance security systems
- Interface: SATA 6GB/s
- Disk Speed: 7200rpm or above

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पत्र संख्या / Letter No.
चलानी नं / Issue No.

- Form Factor: 3.5-inch

7. 8 port POE switch
Minimum Requirements
- Ports: 8 × 10/100Mbps PoE ports, and 2 × gigabit RJ45 ports, full duplex, MDI/MDI-X adaptive
- 6KV or higher Surge protection for PoE ports
- Switching Capacity: 5.6Gbps or higher
- PoE Standard: IEEE 802.3af, IEEE 802.3at
- Power Supply: 48VDC
- Long range: Ports 1 to 8: up to 300 m; and the speed rate of the port is 10 Mbps.

8. 4 port Gigabit switch
Minimum Requirements
- Ports: 4 or higher; 10/100/1000 Mbps Rj45 ports
- Supports ADI/ADIX
- Supports MAC address auto learning and aging
- Supports desktop and wall mounting
- Standard: IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab
- Switching Capacity: 10Gbps or higher
- Packet Forwarding rate: 7.44mpps or above
- Power supply: 5V DC

9. Pure Copper CAT6 Cable
Minimum Requirements
- Material: Solid-Bare Copper, Content 99.95%
- Nominal Outside Diameter: 0.565± 0.005 mm
- Insulation Material: HDPE
- Sheath Material: PVC (complies RoHS), CM
- Insulation Diameter: 1.02±0.05mm
- External O.D.: 6.2±0.4mm
- Sheath Physical properties: Before Aging Tensile Strength (Mpa) ≥13.5, Elongation (%) ≥150, Aging Period (°C×hrs) 100°C×24h×10d, After Aging Tensile Strength (Mpa) ≥12.5, Elongation (%) ≥125, Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks,
- Electrical Characteristics (20°C): 1.0-250.0MHz Impedance ((Ω) 100±15,1.0-250.0MHz Delay Skew (ns/100m) ≤45, DC Resistance (Ω/100m) max 9.38, DC Conductor Resistance Unbalance (%) max 5.0,

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चलानी नं / Issue No.

10. 9U Server Rack

Minimum Requirements
- Dimension: 600x450x500mm
- Metal structure of 1mm thickness or more with carrying capacity of 60 kg
- Key lockable front door with glass
- 220V AC Cooling Fan inbuilt

11. 4 U Server Rack

Minimum Requirements
- Dimension: 530x400x240mm
- Metal structure of 0.8mm thickness or more with carrying capacity of 40 kg
- Key lockable front door with glass
- 220V AC Cooling Fan inbuilt

12. Power Distribution Unit

Minimum Requirements
- Applicable size to mount in 9U and 4U rack.
- At least 4 output ports or above with surge protection
- Power supply: 110-240V AC, 50Hz

13. Supply, Delivery, installation and commissioning of branded RJ45 jack and accessories all complete
14. Supply, Delivery, installation and commissioning of 5/15A power socket with plastic junction box and indicator all complete
15. Supply, Delivery, installation and commissioning of 2.5 sq mm multi stranded copper cable for power supply with all accessories complete.
16. Supply, Delivery, installation and commissioning of 50mm PVC listic for cabling works with accessories all complete
17. Supply, Delivery, installation and commissioning of 20mm PVC listic for cabling works with accessories all complete
18. Supply, Delivery, installation and commissioning of 30mm PVC listic for cabling works with accessories all complete
19. Supply, Delivery, installation and commissioning of PVC junction box / rack for the mounting of network switch with accessories all complete
20. Supply, Delivery, installation and commissioning of 20mm PVC listic for cabling works with accessories all complete

If any equipment is insufficient, the company can provide rate with name, specification needed for this project.