



काठमाण्डौ उपत्यका खानेपानी लिमिटेड

मुख्य कार्यालय



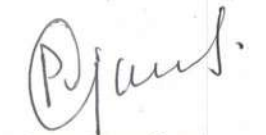
मिति: २०८३/०४/२७

बिषय:- दररेट उपलब्ध गराइदिने बारे

उपरोक्त बिषयमा यस कम्पनीको लागि यसै साथ संलग्न Specification बमोजिमको सामग्री आवश्यक भई खरिद गर्नुपर्ने भएकोले मौजुदा सुचिमा सूचिकृत सेवा प्रदायक/आपूर्तिकर्ताहरुले तपसिलमा उल्लेखित सामग्री के कति दर रेटमा उपलब्ध गराउने हो ? सो सेवाको दर रेट यो सूचना टास भएको मितिले ३ (तीन) दिन भित्र उपलब्ध गराईदिनु हुन अनुरोध छ।

तपसिल:

S.N.	Particulars	Unit	Qty	Rate without VAT
1	Dome Camera	Pc	1	
2	32 Channel NVR	Pc	1	
3	Cat 6 Cable	Pc	1	
4	16- Port PoE Switch	Pc	1	
5	9U Rack	Pc	1	
6	Patch Cords	Pc	1	
7	Patch Panel	Pc	1	
8	Monitor	Pc	1	
9	8 TB HDD	Pc	1	
10	Cable Manager	Pc	1	
11	PDU	Pc	1	
12	Installation, Configuration and Commissioning	Job	1	



(पुजा सापकोटा)

ईन्जिनियर

Kathmandu Upatyaka Khanepani Limited
Main Office, Tripureshwor

Document Name: Technical Specification		
Project Scope: The scope of this project includes procurement, supply, installation, configuration and commissioning of CCTV systems across the 11 location in the main office. The service provider should configure the CCTV systems in the following manners such that the recorded footage from the main office is pulled to the central location in Tripureshwor branch for the purpose of storing the footage.		
SN	Particulars	Requirements
1	Dome Camera	
	Brand/model	
	Image Sensor	≥ 1/3"
	Focal length	2.8mm or higher
	Day/Night	Auto ICR or better
	Illumination (Color)	≤ 0.005 Lux
	Illumination Distance	≥ 30m
	Video Compression	H.265 or better
	Frame Rate (Main Stream)	2560 x 1440 or higher
	Video Streaming	support Minimum 2 streams
	Protocol	IP-v4, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, DNS, DDNS, NTP, UPnP, HTTP, QoS, SNMP
	Network	Minimum 1 x RJ-45 Interface or better
	Interoperability	ONVIF
	Users	≥ 20
	Protection Level	IP67
	Smart/AI features	Motion detection, Human body detection
	Accessories	Mounting accessories for cameras must be included.
	Required Documents	Product datasheet must be submitted

	Warranty and Support	Must provide at least 1 year warranty and support
	Other Requirement	MAF is required
2	32 channel NVR	
	Brand/model	
	Video Input	32 channels or more
	HDD Capacity	2 SATA or higher (loaded with 8TB HDD).
	Incoming Bandwidth	320 Mbps or higher
	Video Output	1 HDMI, 1 VGA or more
	Output Resolution	Up to 4K or higher
	Max Decoding Capacity	16 MP or higher
	Record Resolution	Up to 16MP or higher
	USB Interface	1 x USB 2.0, 1 x USB 3.0 or more
	Network Interface	1 x RJ-45 or higher
	Smart Features	Should support People counting.
	Network Protocols	TCP/IP; NTP; DHCP; HTTP; HTTPS; DNS; DDNS; SNMP; SMTP.
	Interoperability	The manufacturer of NVR should be listed as ONVIF full member
	Required Documents	Product datasheet must be submitted
	Warranty and Support	Must provide at least 1 year warranty and support
	Other Requirement	Should support internet-based upgrade, MAF is required
3	8 TB HDD	
	Brand/model	
	Storage	8TB SATA 3.5" HDD or better
	Rotation Speed	7200 rpm or higher
	Warranty and Support	Must provide at least 1 year warranty and support
4	Monitor	
	Brand/model	Service Provider should provide
	Panel Type	LED Backlight or better

	Panel Size	55 inch or higher
	Speaker	2 x Speaker or more
	Resolution	3840 x 2160 or higher
	Video Input	Minimum 2 x HDMI
	Required Documents	Product datasheet must be submitted
	Warranty and Support	Must provide at least 1 year warranty and support
5	Cat 6 cable	
	Brand/model	
	Type	Cat 6 Cable
	Conductor	24 AWG solid bare copper conductors
	Insulation	HDPE insulation or better
	Required Documents	Product datasheet must be provided
6	Warranty and Support	Must provide at least 1 year warranty and support
	16-port PoE switch	
	Brand/model	
	Ports Type	16× PoE ports (RJ45) or more, 1× RJ45 ports (RJ45) or more, Should support 1000 Mbps.
	Standards	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3af, IEEE802.3at
	Switching capacity	35Gbps or better
7	Forwarding performance	25Mpps or better
	MAC	4K or better
	Required Documents	Product datasheet must be submitted
	Warranty and Support	Must provide at least 1 year warranty and support
	9U Rack	
	Brand/model	
	Rack Size	9U (19" Standard Rack)

	Tray	Should supplied with 1 tray or more
	Front Door	Lockable Toughened Glass or Mesh
	Side Panels	Removable & Lockable
	Cable Entry	Top & Bottom Cable Access
	Warranty and Support	Must provide at least 1 year warranty and support
8	Patch Panel	
	Brand/model	
	Ports	24 Ports loaded
	Category	Cat6 / Cat6A (as required)
	Mounting	19" Rack Mount (1U Height)
	Warranty and Support	Must provide 1 year warranty and support
9	PDU	
	Brand/model	
	Ports	8 ports or higher
	Connection Type	Universal
	Warranty and Support	Must provide 1 year warranty and support
10	Cable Manager	
	Brand/model	
	Material Type	Plastic or Metal
	Warranty and Support	Must provide 1 year warranty and support
11	Patch Cords	
	Brand/model	
	Cable Type	CAT6 or higher
	Conductor	24 AWG Stranded Copper
	Length	0.5 mtr or longer
	Warranty and Support	Must provide 1 year warranty and support
13	Installation, Configuration and Commissioning of CCTV System	

The service provider shall configure the CCTV system to integrate with KUKL's existing centralize 256-channel (UNIVIEW) NVR, ensuring that recorded footage from all specified location is stored in the existing NVR. The supplier/service provider shall install, configure, test, and commission all equipment at the respective location as specified by KUKL.	● Proper Rack, PDU, Patch Panel Installation ● Proper LAN Network Point for the Camera mounting