



कचनकवल गाउँपालिका

Kachankawal Rural Municipality

गाउँ कार्यपालिका कार्यालय

(Office Of The Rural Municipal Executive)

(Baniyani Jhapa)



पत्र संख्या (Ref. No): २०८२/०८३ (संचार तथा सूचना प्रविधि शाखा)

चलानी नं. (Ref. No):.....२०८२/०८३

कोशी प्रदेश, नेपाल
(Koshi Province, Nepal)

मिति: २०८२/०६/२२ गते

नेपाल संवत्: १९४५ कौलागा पारु १६, बुधवार

विषय: दररेट पेश गर्ने सम्बन्धमा ।

श्री सम्पूर्ण सूचिकृत सबै फर्महरू,

प्रस्तुत विषयमा, मिति २०८२/०५/२४ गतेको Gen-Z आन्दोलनको क्रममा यस कचनकवल गाउँपालिका अन्तर्गत विभिन्न शाखा तथा ४ वटा वडा कार्यालयहरूमा आगजनी तथा तोडफोड भएको हुँदा, आवश्यक सेवाहरू पुनः सुचारु गर्नका लागि अति आवश्यक IT उपकरणहरू खरिद गर्नुपर्ने आवश्यकता उत्पन्न भएकोले, मिति २०८२/०६/०९ गतेको गाउँ कार्यपालिकाको निर्णय बमोजिम निम्न विवरण अनुसारका सामानहरू खरिद गर्नुपर्ने भएको छ । त्यसैले, संलग्न स्पेसिफिकेशन अनुसारका उपकरणहरू उपलब्ध गराउन इच्छुक सबै सूचिकृत फर्महरूलाई मिति २०८२/०६/२३ गते विहिवार दिनको ३:०० बजेभित्र यस गाउँपालिकाको सञ्चार तथा सूचना प्रविधि शाखामा शिलबन्दी दरभाउपत्रको बाहिरी खाममा ३ (तिन) स्थानमा लाहा छाप सहित पेश गर्न अनुरोध गरिन्छ ।

आवश्यक कागजातहरू

१. फर्म / कम्पनी दर्ता
२. आर्थिक वर्ष २०८०/८१ को कर चुक्ताको प्रमाणपत्र
३. मु.अ.करमा दर्ता भएको प्रमाणपत्र
४. कचनकवल गा. पा. मा दर्ता भएका फर्मको हकमा यस आर्थिक वर्षमा फर्म नविकरण भएको प्रमाणपत्र

स्काई पोखरेल
प्रमुख प्रशासकीय अधिकृत

नोट:

टेक्निकल स्पेसिफिकेशन तथा आवश्यक परिमाण सहितको विवरण कचनकवल गाउँपालिकाको वेबसाइट kachankawalmun.gov.np मा राखिएको छ साथै Brand, Model No अनिवार्य भरेर बुझाउनुपर्ने छ ।



To Kachankawal Rural Municipality
Office of The Municipal Executive
Baniyani, Jhapa

Date:

Subject: Quotation Of IT Equipment

S.N.	Items	Unit	Manufacture	Brand Name	Model No.	Qty	Rate	Amount	Amount In Words	Remarks
1	Cloud Core Router	Pcs				1				
2	24-Port Manageable PoE Switch(L2)	Pcs				3				
3	Gateway	Pcs				1				
4	ONU (Optical Network Unit)	Pcs				5				
5	Wi-Fi Router	Pcs				3				
6	ZK-Techo MB2000 Attendance Device	Pcs				5				
7	Asus 65W Charger Black Fit for ASUS ZenBook Laptop	Pcs				1				
8	Wire Tracker Communication Network Cable Tester Toner Checker	Pcs				1				
9	27U Rack Server Cabinet With PDU	Pcs				1				
10	6U Network Rack with PDU	Pcs				1				
11	CAT6 Cable (Pure Copper)	Pkt				5				
12	Electrical Materials & Other Accessories	LS				1				
13	Installation & Configuration	Ls				1				
Total										
13% VAT										
Total Amount										

Approved
[Signature]
Office of the Municipal Executive
Kachankawal Rural Municipality
Baniyani, Jhapa

Submitted By:
Firm Name
Seal Of Firm



Office of Rural Municipal Executive
Kachankawal Rural Municipality
Baniyani, Jhapa
TOR (Terms of References)

Project: Purchase & Installation of IT Equipments				F/Y: 082-083
S.N	Items Name	Unit	Quantity	Remarks
1	Cloud Core Router	Pcs	1	
2	24-Port Manageable PoE Switch(L2)	Pcs	3	
3	Gateway	Pcs	1	
4	ONU (Optical Network Unit)	Pcs	5	
5	Wi-Fi Router	Pcs	3	
6	Zktecho MB2000 Attendance Device	Pcs	5	
7	Asus 65W Charger Black Fit for ASUS Zenbook Laptop	Pcs	1	
8	Wire Tracker Communication Network Cable Tester Toner Checker	Pcs	1	
9	27U Rack Server Cabinet With PDU	Pcs	1	
10	6U Network Rack with PDU	Pcs	1	
11	CAT6 Cable (Pure Copper)	Pkt	5	
12	Electrical Materials & Other Accessories	LS	1	
13	Installation LAN Cable, LAN Port Tagging & Device Configuration	Ls	1	

Dipendra

Prepared By:- IT-Officer
Dipendra Kumar Ganesh

Approved By:- Chief Administrative Officer
Sky Pokhrel

2081/12

Kachankawal Rural Municipality
Office of the Rural Municipal Executive Officer
Baniyani, Jhapa
Technical Specifications of IT Equipments

Cloud Core Router				Remarks
S.N	Item Name	Descriptions	Specification	
1	Cloud Core Router	Brand	Preferred Brand Mikrotik	Minimum
		CPU core count	16	
		10/100/1000 Ethernet ports	13	
		SFP+ ports	4	
		Size of RAM	16 GB	
		Storage size	128 MB	
		MTBF	> 200,000	
		CPU nominal frequency	2000 MHz	
		Serial console port	RJ45	
		Number of N.2 slots	1	
		MTBF	Approximately 200,000 hours at 25C	
		Include Parts	IEC cord IEC cord Rackmount bracket white W-57 kit	
		Warranty	1 Year or Above	

24-Port Manageable PoE Switch(L2)				Remarks
S.N	Item Name	Descriptions	Specification	
1	24-Port Manageable PoE Switch(L2)	Brand	Preferred Brand Ruijie Rayce	Minimum
		Ports	24 x 10/100/1000Base-T PoE+ ports, 4 SFP uplink	
		Switching capacity	56 Gbps	
		MAC address table	8000	
		Fan	Single, Left-to-Right airflow	
		Dimensions (W x D x H)	440 mm x 293 mm x 43.6 mm	
		MTBF	> 200,000	
		PoE(802.3af)/PoE+(802.3at)	370W	
		Forwarding rate	41.67 Mpps	
		Maximum VLAN	4094	
		Port surge	6 kV	
		Weight (With package)	4.5 kg	
		Warranty	3 Years or Above	

Gateway				Remarks
S.N	Item Name	Descriptions	Specification	
1	Gateway	Brand	Preferred Brand Ruijie Rayce	Minimum
		Network Interface	5 x 10/100/1000 Base-T	
		RAM	128MB DDRIII	
		Recommended Bandwidth	600Mbps	
		PoE Out	N/A	
		Dimensions (W x D x H)	204.5 mm x 104.5 mm x 28 mm	
		Power Supply	100-240V AC, 30/60W	
		Max. WAN Ports	2 x 10/100/1000 Base-T	
		Storage	16MB Flash	
		Concurrent Users	100	
		Power Consumption	45W	
		Warranty	3 Years or Above	

D. Room AP				Remarks
S.N	Item Name	Descriptions	Specification	
1	ONU (Optical Network Unit)	Brand	NA	Minimum
		Fiber port	1 GPON interface, SC single-mode/single-fiber, Downstream rate 2.5Gbps, Upstream rate 1.25Gbps	
		Wavelength	Tx 1310nm, Rx 1490nm	
		Fiber interface	SC/PC	
		RS sensitivityX	<-26dBm (1490nm)	
		LAN	1*10/100/1000Mbps adaptive Ethernet ports, full/half duplex, RJ45 interface	
		Throughput	Throughput can reach 900Mbps or more	
		DC power	12V 1A, external AC-DC power adapter	
		Button	Reset, power	
		Power	50W	
		Operation	Working temperature: -5~+55°C working humidity:10~90%(non-condensation)	
		Warranty	1 Year or Above	

Wi-Fi Router				Remarks
S.N	Item Name	Descriptions	Specification	
1	Wi-Fi Router	Brand	Preferred Brand Ruijie Rayce	Minimum
		Wi-Fi Standards	Wi-Fi 6 (802.11ax)	
		Antennas	4	
		Weight	0.35 kg (packages not included)	
		Max. Wi-Fi Speed	2.4 GHz: 574 Mbps 5 GHz: 1201 Mbps	
		Antenna Gain	2.4 GHz: 5 dBi 5 GHz: 6 dBi	
		Dimensions (W x D x H)	180 mm x 180 mm x 30 mm	
		MIMO	2.4 GHz: 2*2 5 GHz: 2*2	
		Interface	1 x 10/100/1000 Base-T WAN Port, 4 x 10/100/1000 Base-T LAN Ports	
		Advanced Technology	VPN, Beamforming, OFDMA, IPv6	
		Recommended Users	48	

Power Supply DC 12V/1.5A
 Warranty 3 Years or Above



27U Rack Server Cabinet With PDU

S.N	Item Name	Descriptions	Specification	Remarks
1	27U Rack Server Cabinet With PDU	Brand NA 27U Rack Height (U) 27U Doors (front/back) glass/steel Color Black Load Capacity 600 KG Total Height 1300mm Total Width 600mm External Depth 1000mm Mounting Depth 700mm Power Distribution Unit (PDU) Input connector IEC-309 16A plug Output connectors (8) IEC-320-C13 Nominal input voltage 230 VAC Acceptable input voltage $\pm 10\%$ of normal voltage Input frequency 47- 63 Hz Cord length 3 ft. Safety verification VDE 0805, CE, EN 60950, IEC 60950 48 Ports Optical Fiber Patch Panel Type Sliding Connector SC/UPC Ports 48 ports Height (U) 2U Installation Type 19 inch frame Max Capacity SC 48 24 Ports Network Patch Panel Style Cat6/6e/6a Model type 1U Rack Mount Patch Panels color Black connector A 110-TYPE TERMINAL (X24) Connector B RJ45 (FEMALE) (X24) Ports 24 1U Horizontal Cable Manager - Finger duct with cover Removable front cover Finger guide channels at the top and bottom of the cable manager Openings for routing patch cables from the rear side Secures and retains patch cables Maintains proper bend radius Cable transition from horizontal to vertical		Minimum

6U Network Rack with PDU

S.N	Item Name	Descriptions	Specification	Remarks
1	6U Network Rack with PDU	Brand NA 6U Network Rack Height (U) 6U Doors (front/back) full steel (A)/n.d. Color Black Load Capacity 60 KG Total Height 368mm Total Width 600mm External Depth 550mm Mounting Depth 450mm Power Distribution Unit (PDU) Input connector IEC-309 16A plug Output connectors (8) IEC-320-C13 Nominal input voltage 230 VAC Acceptable input voltage $\pm 10\%$ of normal voltage Input frequency 47- 63 Hz Cord length 3 ft. Safety verification VDE 0805, CE, EN 60950, IEC 60950		Minimum

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