



सुन्दरहरैँचा नगरपालिका

SUNDARHARAINCHA MUNICIPALITY

नगर कार्यपालिकाको कार्यालय

Office of the Municipal Executive

विराटचौक, मोरङ
Biratchowk, Morang
कोशी प्रदेश, नेपाल
Koshi Province, Nepal

F/Y प.सं. २०८२/०८३

Ref/ च.नं.



श्री सम्बन्धित फर्म/व्यवसायहरु



मिति: २०८३/०२/०८

सूचना प्रविधि उपकरणहरुको दररेट पेश गर्ने सम्बन्धी सूचना !

प्रस्तुत विषयमा यस सुन्दरहरैँचा नगरपालिका नगरकार्यपालिकाको कार्यालयको लागि आवश्यक पर्ने BOQ अनुसारको उपकरणहरुको लागत अनुमान बनाउने प्रयोजनका लागि सम्बन्धित विषयको काम गर्न योग्य तथा इच्छुक सप्लायर्स, फर्म, कम्पनी वा संस्थाहरुलाई फर्म, संस्था वा कम्पनी दर्ताको प्रमाणपत्र, व्यवसाय दर्ताको प्रमाणपत्र, मूल्य अभिवृद्धि कर दर्ता प्रमाणपत्र र स्थायी लेखा दर्ता नम्बर(प्यान) प्रमाणपत्र, मूल्य अभिवृद्धि करमा दर्ता हुन नपर्नेको हकमा सोको आधिकारीक कागजातको प्रमाणित, करचुक्ता प्रमाणपत्र र निवेदन संलग्न गरी ५ दिन भित्रमा सूचिकृत भएका वा सूचीकृत भई सेवा दिन चाहेका सप्लायर्स, फर्म, संस्था वा कम्पनीहरुलाई दररेट पेश गर्नका लागि अनुरोध छ ।

नोट: BOQ <https://sundarharaichamun.gov.np> बाट प्राप्त गर्न सकिने छ ।

गणेशराज कार्की
मुख्य प्रशासकीय अधिकृत

"सुन्दरहरैँचाको पहिचान: समृद्धि र सुशासन"

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Sundarharaicha Municipality
Office of Municipal Executive
Biratchwok, Morang
Koshi Province, Nepal

Specification of different Networking Tools for Sundarharaicha Municipality

S.N	Particulars	Required Specifications		unit	quantity	rate	Rate in words
1	Managed Gigabit PoE Switch	Brand	Branded	pcs	1		
		Model					
		Switch Type	Managed Layer 2 Ethernet Switch				
		Ethernet Ports	Minimum 24×10/100/1000 Mbps RJ45 Gigabit Ethernet Ports				
		Uplink Ports	Minimum 2×10G SFP+Uplink Ports				
		Switching Capacity	Minimum 50Gbps or higher				
		Forwarding Rate	Minimum 65Mpps or higher				
		Management Features	Integrated				
		MAC Table size	minimum 16000				
		Layer Support	layer 2 Switching features				
		Cooling system	Fanless/Passive Cooling Design				
		VLAN Support	Full IEEE 802.1Q				
		Mounting	1U or equivalent				
		Traffic and Port control	Supports port to port forwarding management, isolation and basic MAC filtering				
		Loop Prevention	Supports loop mitigation technologies				
		Warranty	minimum 1 year				
		Brand	Branded				
		Model					
		Gigabit Ethernet Ports	Minimum 24×10/100/1000 Mbps RJ45 Gigabit Ethernet Ports				
		Uplink Ports	minimum 1×Gigabit RJ45				
		Fiber Port	minimum 1×Gigabit SFP Port				

2	Cloud Managed Gigabit PoE Switch	Console/Mangement t Port	minimum 1 Dedicated management/console port or equivalent	pcs	1		
		PoE support	IEEE 802.3af/at PoE supported on required access ports				
		Switching Capacity	Minimum 50Gbps or higher				
		Forwarding Rate	minimum 35 Mbps or higher				
		Management Features	Support cloud-based centralized management and monitoring, allow enable/disable poe power supply				
		Local Management	Web GUI, CLI, and SNMP support				
		VLAN Support	IEEE 802.1Q VLAN				
		Mounting	1U or equivalent				
		MAC Table size Warranty	minimum 8000 1 year minimum				
3	Non- Managed Gigabit PoE Switch	Brand	Branded				
		Ethernet Ports	minimum 16 Port Gigabit Smart Switch				
		Switching Capacity	Minimum 30Gbps or higher				
		Forwarding Rate	minimum 20 Mbps or higher				
		Warranty	1 year minimum				
	Cloud	Brand	Branded				
		Model					
		Gigabit Ethernet Ports	Minimum 16×10/100/1000 Base-T RJ45 Ethernet Ports				
		Uplink Ports	Minimum 1×Gigabit RJ45				
		Fiber Port	Minimum 1×Gigabit SFP port				
		Console/Mangement t Port	Minimimun 1 dedicated management/console port or equivalent				
		PoE support	IEEE 802.3af/at PoE Supported				

4	Managed Gigabit PoE Switch	Switching Capacity	Minimum 36 Gbps	pcs	1		
		Forwarding Rate	Minimum 26Mbps				
		Management Features	Cloud based centralized management and monitoring support				
		Local Management	Web GUI, CLI, and SNMP support				
		VLAN Support	IEEE 802.1Q VLAN				
		Cooling system	Smart Fan or Fanless Design				
		Mounting	1U or equivalent				
		MAC Table size	minimum 8000				
		Warranty	1 year minimum				
5	Cat 6 UTP Network Cable	Brand	Branded	drum	1		
		Model					
		Cable type	UTP, 4 pair				
		Jacket	PVC or equivalent				
		Compliance	ISO/IEC				
		Length	300 mtr or higher				
		Cable name	cat6				
6	Pure Copper Cat6 UTP Network cable	Branded CCA(19%-23%) Copper content 23 AWG HDPE Insulation Material PVC Sheath 0.5±0.05mm Thickness ISO Certified or higher or equivalent		drum	1		
7	SFP	10G		set	1		
8	Drop Cable	50 m		roll	1		
9	Havels module socket	16 AMP		set	1		
10	PVC Encloser	50 mm		pcs	1		

11	PVC Encloser	30mm	pcs	1		
12	Wall Mount Network Rack	6U Wall Mount Single Section Network Cabinet with accessories	set	1		
13	LAN Socket	Double	pcs	1		
14	Surface box	3×3 inch	pcs	1		

Specification of different ICT Tools for Sundarharaicha Municipality

S.N	Particulars	Specification	Minumum Requirement	unit	Quantity	Rate	Rate in words
1	Interactive Flat Panel	Brand	Internationally recognized brand	pcs	1		
		Display Size	75 inch UHD				
		Display Technology	IPS or better				
		Resolution	Minimum 3840×2160				
		Brightness	Minimum 350 cd/meter square				
		Contrast Ratio	Minimum 4000:1				
		Viewing Angle	178 degree Horizontal/Vertical				
		Touch Technology	IR multi-touch or better				
		Touch Points	minimum 20 simultaneous touch points				
		Response Time	≤ 8 ms				
		Surface Protection	Anti-glare tempered glass, minimum 3mm				
		Operating System	Android 13 or higher				
		RAM	Minimum 8GB				
		Internal Storage	Minimum 128GB				
		CPU	Octa core processor				
		Connectivity	HDMI, USB 3.0, USB Type-C, LAN, WiFi, Bluetooth				
		Wireless sharing	Support wireless screen sharing from windows/Android/iOS				
		Audio	Built in speaker min, 15W×2				
		Accessories	Stylus pen(min. 2), Wall Mount Kit, Power Cable				
		Camera and Mic	Inbuilt or external compatible				
		OPS Support	Must support optional OPS PC module				
		Certification	CE/FCC/RoHS/ISO Certified				
		Warranty	minimum 2 years				
		Brand	Internationally recognized brand				
		Processor	intel core i7 13th gen or higher/equivalent AMD Ryzen 7				

S.N	Particulars	Specification	Minumum Requirement	unit	Quantity	Rate	Rate in words
2	Laptop	Cores	minimum 10 cores	pcs	1		
		RAM	minimum 8GB(expandable)				
		Storage	minimum 512 GB SSD9expandable)				
		Display Size	14 inch or 15.6 inch FHD				
		Resolution	1920×1080				
		Graphics	integrated				
		Webcam	HD webcam				
		Connectivity	Wifi, Bluetooth				
		Ports	HDMI, USB 3.0, USB Type-C, Audio				
		Operating System	Genuine windows 11				
		Battery backup	Minimum 4 hours				
		Accessories	Carry bag and wireless mouse				
		Warranty	minimum 1 years				
3	Laptop	Brand	internationally recognized brand	pcs	1		
		Processor	intel core i5 12th gen or higher or equivalent				
		Cores	minimum 10 cores				
		RAM	minimum 8GB				
		Storage	minimum 512GB SSD				
		Display Size	15.6 inch				
		Resolution	1920×1080				
		Graphics	integrated				
		Webcam	HD webcam				
		Connectivity	Wifi, Bluetooth				
		Ports	HDMI, USB 3.0, USB Type-C, Audio				
		Operating System	Genuine windows 11				
		Battery backup	Minimum 4 hours				
		Accessories	Carry bag and wireless mouse				
		Warranty	minimum 1 years				
		brand	Internationally recognized brand				
		Processor	intel core i5 12th generation or higher or Ryzen 5 equivalent				
		RAM	minimum 8GB				

S.N	Particulars	Specification	Minumum Requirement	unit	Quantity	Rate	Rate in words
4	Desktop computer set	Storage	minimum 512 GB SSD	pcs	1		
		Cabinet	Branded/micro tower				
		Monitor	21.5 inch LED IPS Full HD				
		Keyboard	USB keyboard				
		Mouse	USB Mouse				
		LAN	Gigabit ethernet				
		Audio	Integrated audio				
		Ports	HDMI/VGA, USB 3.0				
		Operating System	Genuine Windows 11				
		Warranty	Minimum 1 years				
5	System unit(CPU)	brand	Internationally recognized brand	pcs	1		
		Processor	intel core i5 12th Gen or higher or equivalent				
		RAM	minimum 8GB				
		Storage	minimum 512GB SSD				
		Cabinet	Branded/micro tower				
		LAN	Gigabit Ethernet				
		USB ports	minimum 5 USB ports				
		Video output	HDMI+VGA/DP				
		Operating System	Genuine Windows				
		Accessories	Keyboard, mouse, Power cable, HDMI/VGA cable				
		Warranty	minimum 1 year				
6	monitor	Display size	minimum 19 inch	pcs	1		
		Resolution	minimum 1920×1080				
		response time	less than or equal to 8ms				
		Connectivity	HDMI and VGA mandatory				
		audio	inbuilt speaker(optional)				
		Accessories	HDMI/VGA Cable and Power cable				
		Warranty	minimum 1 year				
		Device type	Zero client/Thin client				
		Supporting user	Multiuser computing compatible				
		Supported OS	Windows/Linux compatible				

S.N	Particulars	Specification	Minumum Requirement	unit	Quantity	Rate	Rate in words
7	Cloud computing terminal	Connectivity	Gigabit LAN	pcs	1		
		Display support	1920×1080				
		USB Ports	Minimum 4 ports				
		Audio	Audio Input/Output support				
		Network Protocol	TCP/IP compatible				
		Accessories	Power Adapter				
		Warranty	Minimum 1 year				
8	Mobile Speaker	RMS Power	minimum 60W	pcs	1		
		AC Input	100 V - 240 V				
		S/N	greater than or equal to 85dB				
		Distortion	less than or equal to 0.5 %				