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NATIONAL INSTITUTE  
OF VIROLOGY

आई सी एम आर - राष्ट्रीय विषाणु विज्ञान संस्थान

स्वास्थ्य अनुसंधान विभाग  
स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार

**ICMR - NATIONAL INSTITUTE OF VIROLOGY**

Department of Health Research  
Ministry of Health & Family Welfare, Govt. of India

Enquiry No.: ICMR-NIV/BIOINFO.PASHAN/PP 2060/2024-25

Dt. 11.11.2024

**QUOTATION ENQUIRY**

Sealed quotations are invited on behalf of the Director, ICMR-National Institute of Virology, Pune. Interested vendors should submit their quotation along with their company/personal profile and purchase of the article(s) details are as given below:

Sr.No.	PP NO.	Particulars	Quantity
1.	2060	1. Switch 48 port 4 SFP Manageable L3 Switch (Specification attached)	06 nos.

The quotation super scribed as "Quotation for Switch" 'PP no. 2060/2024-25' addressed to the Director, ICMR-National Institute of Virology, 20-A, Dr. Ambedkar Road, Post box-11, Pune - 411 001 (Attention: Administrative Officer-Stores) should be either dropped at the Admin Department at NIV or sent through by Speed post / courier (with signature & seal in company letter head) latest by **21.11.2024 till 3.00P.M**

**OTHER TERMS & CONDITIONS**

1. This is an enquiry and must not be treated as an order.
2. The NIV office reserves the right to accept or reject any or all applicants without assigning any reasons.
3. Any decision taken by the Director, NIV at any point of time in connections with this process shall be final and conclusive and no claim or dispute from any quarter in that regard shall be entertained.
4. No advance payment will be made. The payment will be made on receipt of services material availed and satisfactory report of the end users.
5. NIV, Pune will not be responsible for any delay for receipt of quotations.
6. Requirement of material quantity will either increase or decrease. Final requirements will be mentioned in the purchase order issued to the firm.
7. Quotation validity should be mentioned in the quotation. Delivery period should be clearly indicated in the quotation.

  
**ADMINISTRATIVE OFFICER**

Sr. No.	Description	
1	I/O ports and slots	44 Autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000Base-T); Duplex: 10BASE-T/100BASE-TX:half or full;1000BASE-T:full only
		4 Combo 10/100/1000BASE-T or 100/1000Mbps SFP Ports
2	Additional ports and slots	1 Dual Personality (RJ-45 or USB Micro-B) serial console port
		1 USB B port for uploading/downloading files
		1 100BASE-T Out of Band Management Port
		1 Uplink Slot
		1 Stacking Module Slot
		2 Power Supply Slots (power supplies not included)
3	Physical characteristics	Dimensions 1.73" (Height) x 17.42" (Width) x 12.77" (Depth) (4.39cm x 44.25cm x 32.43cm)
		Weight 10.14 lbs 4.60 kg
4	Memory and Processor	Dual Core ARM Cortex A9 @ 1016 MHz
		1 GB DDR3 SDRAM
		Packet Buffer Size: 12.38MB and 4.5MB Ingress/7.875MB Egress
		4GB eMMC
5	Performance	<b>10 Mbps Latency</b> < 98.5 $\mu$ s (FIFO 64 byte packets)
		<b>100 Mbps Latency</b> < 11.8 $\mu$ s (FIFO 64-byte Packets)
		<b>1000 Mbps Latency</b> < 3.1 $\mu$ s (FIFO 64-byte packets)
		<b>10 Gbps Latency</b> < 3.4 $\mu$ s (FIFO 64-byte packets)
		<b>Throughput</b> 112 Mpps
		<b>Stacking Performance</b> 100 Gbps
		<b>Switching Capacity</b> 176 Gbps
		<b>Switching Capacity (Including Stacking)</b> 276 Gbps

		<b>Routing Table Size</b> 2,000 IPv4, 1,000 IPv6 in hardware, 200 OSPF, 256 Static, 10,000 RIP
		<b>Mac Address Table Size</b> 32768 entries
6	Environment	<b>Operating Temperature</b> 32°F to 131°F (0°C to 55°C) up to 5000ft, 32°F to 122°F (0°C to 50°C). Derate -1 degree C for every 1000 ft from 5000 ft to 10000 ft
		<b>Operating Relative Humidity</b> 15% to 95% (Non-condensing) 10,000 ft
		<b>Non-Operating/ Storage Temperature</b> -40°C to +70°C up to 15000 ft
		<b>Non-Operating/Storage Relative Humidity</b> 90% at 65C (non-condensing); 15,000 ft
		<b>Acoustic</b> Sound Power LWaD=4.6 Bel, Sound Pressure LpAm, Bystander = 28.8 dB
		<b>Primary Airflow Direction</b> Port to Power
7	Electrical Characteristics	<b>Frequency</b> 50/60Hz
		<b>Maximum Heat Dissipation</b> 185 BTU/hr 194 kJ/hr
		<b>Voltage</b> JL085A PSU: 100-127/200-240
		<b>Current</b> JL085A PSU: 1A/0.5A
		<b>Maximum Power Rating</b> 111W
		<b>Idle Power</b> 36W
		<b>PoE Power (Max Possible)</b> N/A
		<b>Hibernate Power</b> 7W