



मालवीय राष्ट्रीय प्रौद्योगिकी संस्थान जयपुर
MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

NOTICE INVITING QUOTATIONS

Enquiry No. F5(1201)ST/MNIT/CWN/2019

Date: 15.05.2019

Firm's Name & Address

Date of Tender Opening: 04.06.2019 at 03:00 PM

M/s _____

Place of Submission of tender in tender box at:

Deputy Registrar (S&P) (Central Stores)
Malaviya National Institute of Technology
Jawahar Lal Nehru Marg, Malviya Nagar
Jaipur, Rajasthan 302017

(The tender would be opened at three pm on the date of tender opening above, at the address mentioned above)

Please submit on or before 2:00 pm on the date of tender opening, your quotation for the following goods, in accordance with the terms and conditions printed overleaf, in a sealed cover, marked on top with – Enquiry No; Date of Tender Opening.

Yours Sincerely,

Deputy Registrar (S&P)

Sr.No.	Description of Item		Quantity	Unit	Rate	GST	Amount (Rs.)
	Catalogue, Part/Model No.	Specifications					
01	(Networking Items) (All other specification as per attached annexure -1 st)		As per attached annexure – 1 st				
							Total Ex-Works Price
							(-) LESS: Discount ___% (if any)
							Net Ex-Works Price
							(+) Packing & Forwarding Charges
							(+) Transportation Charges
							GRAND TOTAL

(Grand Total in Rupees _____)

Delivery Schedule:

Undertaking by Supplier

I/ We engage to supply the material(s) to your office and comply the following:

1. Tender schedule and technical specification indicated
2. Item/tender specific conditions for this tender.
3. Terms and conditions printed overleaf.
4. I/we confirm that set off for the GST, etc. Paid on the inputs have been taken into consideration in the above quoted price and further agree to pass on such additional duties as sets offs as may become available in future under GST, etc.
5. This offer is valid for 90 (ninety) days from the date of opening of the tender.
6. That we have not been debarred by any Government/Undertaking.
7. That the rates quoted are not higher than the rates quoted for same item to any Government Dept./Autonomous body/ Undertaking.
8. That the bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement

Place & Date:

Signature & Seal
Name of Authorised Signatory
Tel. No./Fax. No./Mobile No.
Email Id:

Terms and Conditions of Limited Tender

1. The quotation must be in the form furnished by MNIT Jaipur and should be free from corrections/erasures. In case there is any unavoidable correction it should be properly attested. If not the quotation will not be considered. Quotation written in pencil will not be considered.
2. Quotation will be opened on due date at 3.00 pm at the indicated venue in presence of the tenderers or their representatives who may wish to be present.
3. The MNIT Jaipur reserves the right to accept the offer by individual items and reject any or all tenders without assigning any reason thereof and does not bind itself to accept lowest quotations.
4. Manufacturer's name and country of origin of materials offered must be clearly specified.
5. Please quote whether your organisation is large scale industry or small scale industry. If you have NSIC/MSE/MSI/DGS&D Certificate, please attach it to the quotation. Mention your registration details.
6. Complete details and ISI specification if any must accompany the quotation. Make/brand of the item shall be stated wherever applicable. If you have got any counter offer as suitable to the material required by us, the same may be shown separately.
7. If required, the samples must be submitted where specified along with the quotations. Samples must be carefully packed, sealed and labeled clearly with enquiry number, subject and sender's name for easy identification. Rejected samples will be returned at your cost if insisted.
8. All drawings sketches and samples, if any, sent along with this enquiry must be returned along with quotations duly signed.
9. All supplies are subject to inspection and approval before acceptance. Manufacturer/ supplier warranty certificates and manufacturer/Government approved lab test certificate shall be furnished along with the supply, wherever applicable.

10. The MNIT reserves the right to modify the quantity specified in this enquiry.
11. The prices quoted should be firm till the supplies are completed. Please quote the rates in words and figures. Rates quoted should be free delivery at destination including all charges otherwise the quotation is likely to be rejected. Prices quoted for free delivery at destination will be given preference. If there is no indication regarding the FOR, in the quotation, then it will be considered as FOR destinations. Price quoted should be net and valid for a minimum period of three months from the date of opening of the quotation.
12. The rate of GST, other statutory payments etc. should be clearly indicated wherever chargeable. This office is not eligible to issue "C" or "D" Form. However, the concessional rate of GST is applicable to this Institute for Research related purchase. Exemption Certificate issued to Institution will be provided to avail GST exemption. Delivery period required for supplying the material should be invariably specified in the quotation.
13. In case your quotation is accepted and order is placed on you, the supply against the order should be made within the period stipulated in the order. The Director, MNIT Jaipur reserves the right to recover any loss sustained due to delayed delivery by way of penalty.
14. You shall indicate in the quotation the bank detail of firm, GST Number and permanent Income tax Number.
15. Our normal payment terms are 100% (hundred percent) within 30 (thirty) days on receipt and acceptance of material at our site in good condition.
16. The quotation should be duly signed by an authorized person of the firm. The name and status of the signatory should be clearly to indicated, UNSIGNED QUOTATIONS WILL BE LIABLE FOR REJECTION.
17. EARNEST MONEY: A Demand Draft/Banker's Cheque or Bank Guarantee of Rs. 10,000/- from a Commercial bank only in the name of the Registrar, M.N.I.T. and payable at Jaipur may please be sent along with your tender as Earnest Money **without which no tender shall be considered. Cheques are not accepted as earnest money amount.** No interest is paid by us on the amount of earnest money. **Kindly attached the RTGS details with cancelled cheque along with the Earnest Money.**
19. This Institute is also eligible for custom duty exemption. A duty exemption certificate will be issued by this institute as & when required.

Deputy Registrar (S&P)

To provide internet connection in NIT Uttarakhand, Satellite campus, VLTC (Annexure A):

S. No.	Item	Qty.	Make/Model
01	6 Core jelly filled armored fiber cable(Supply + Laying) (Fiber type: Single-mode (SM) core Diameter:- 9um Cladding Diameter: - 125um Core count: 6 core Cable Type: Loose Tube Industry standard: - TIA/EIA 598, IEEE 802.3z, Gigabit Ethernet, IEEE 802.3ae, 10Gigabit Ethernet. Outer jacket material: Water-tight, Zero-halogen Armour: Steel-armored Cable overall diameter: 8.5 mm or more Conductor type: loose tube, gel-filled Laying: On wall with help of GI saddle clip)	700 mtr	Molex/ Amp/ R&M
02	Fiber Patch cord(2 Meter) SC-LC Type (Fiber type: Single-mode (SM) Length : - 2 meter connector type:- SC-LC)	02 Nos	Molex/ Amp/ R&M
03	Fiber Patch cord(2 Meter) SC-SC Type (Fiber type: Single-mode (SM) Length : - 2 meter connector type:- SC-SC)	02 Nos	Molex/ Amp/ R&M
04	CAT-6 UTP cable(Supply + Laying) (Supply , Laying and Testing of 4 pair, 24 AWG UTP Cat 6 Cable as per latest amendments of TIA /EIA 568 B.2-1 Specifications in supplied PVC pipe including making connections to RJ-45connectors(included) with ferruling at both ends for identification with necessary tools for stripping, crimping and testing required.)	400 mtr	Molex/ Amp/ R&M
05	1” ISI medium PVC pipe (Supply + Laying) (Supply and laying of 1”(25mm) (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall, covering conduit and making good the same as required.)	400 mtr	AKG/Jindal/ Modi
06	CAT-6 I/O with face plate (Supply + Installation) Supply and installation with Gang Box	04 Nos	AMP/ Molex/ R&M
07	SC Connectorization per core (Making fiber connectorization using fusion splicing method per core)	120 Nos	
08	12 Way rack mounted LIU with SC coupler and Pigtails(SM) (Supply and installation of 1 RU size 12 port Fiber LIU with single mode SC type pigtails and coupler.)	10 Nos	AMP/Molex/R&M
09	Managed Network switch with module(Supply + Installation)(As per Annexure B)	01 Nos	Cisco/Extreme/Juniper

Annexure B: - Specification of Managed Network Switch

S. No	Required Minimum Specification		Compliance (Yes/ No)	Remarks
1	General Features	The switch should have a minimum of 24 nos. 10/100/1000 Ethernet Ports(RJ-45)		
		The switch should have minimum of 4 Ports Uplinks (At least 2 10G SFP+)		
		The switch should have 2x1G SFP modules		
		The switch should have at least 28 Ports (4 SFP/SFP+ Uplinks + 24 ports)		
2	Performance and Scalability	The switch should have Forwarding bandwidth of 40 Gbps or more		
		The switch should have Full-duplex Switching bandwidth of 128 Gbps or more		
		The switch should have Forwarding Rate of 65Mpps or more		
		The switch should have 2GB of Flash memory or More		
		The switch should have 1 GB of DRAM or more		
		The switch should support 4094 VLANs or more		
		The switch should support Jumbo frames of 9K or More		
3	Dimension	The Switch should be 1RU size		
		The switch should support Operating temperature -0° to 45°C or More		
		The switch should support Operating relative humidity at least 5% to 85%		
4	Power Supply	The switch should support an auto-ranging power supply with input voltages between 100 and 240V AC		
5	Standards	The switch should support IEEE 802.1D Spanning Tree Protocol		
		The switch should support IEEE 802.1p		
		The switch should support IEEE 802.1Q Trunking		
		The switch should support IEEE 802.1s Multiple Spanning Tree (MSTP)		
		The switch should support IEEE 802.1w Rapid Spanning Tree (RSTP)		
		The switch should support IEEE 802.1x		
		The switch should support IEEE 802.1ab (LLDP)		
		The switch should support IEEE 802.3ad Link Aggregation Control Protocol (LACP)		
		The switch should support SNMP v1, v2c, and v3		
6	Basic Layer-3	The Switch Should support Ipv4/Ipv6 static routing		
		The Switch Should support RIPV1,V2		

	Protocol	The Switch Should support OSPF Protocol		
7	Layer-2 Features	The switch should support Spanning-tree root guard to prevent other edge switches becoming the root bridge.		
		The switch should support IGMP filtering		
		The switch should support discovery of the neighboring device of the same vendor giving the details about the platform, IP Address, Link connected through etc, thus helping in troubleshooting connectivity problems.		
		The switch should support Per-port broadcast storm control to prevent faulty end stations from degrading overall systems performance		
		The switch should support Per-port multicast storm control to prevent faulty end stations from degrading overall systems performance		
		The switch should support Per-port unicast storm control to prevent faulty end stations from degrading overall systems performance		
		The switch should support Voice VLAN to simplify IP telephony installations by keeping voice traffic on a separate VLAN		
		The switch should support Unidirectional Link Detection Protocol (UDLD) and Aggressive UDLD to allow for unidirectional links caused by incorrect fiber-optic wiring or port faults to be detected and disabled on fiber-optic interfaces.		
		The switch should support Local Proxy Address Resolution Protocol (ARP) working in conjunction with Private VLAN Edge to minimize broadcasts and maximize available bandwidth.		
		The switch should support IGMP v1, v2 & v3 Snooping		
		The switch should support 8 egress queues per port		
8	Quality of Service (QoS) & Control	The switch should support Command Line Interface (CLI) support for configuration & troubleshooting purposes.		
9	Management	The switch should support four RMON groups (history, statistics, alarms, and events) for enhanced traffic management, monitoring, and analysis		
		The switch should support Layer 2 trace route to ease troubleshooting by identifying the physical path that a packet takes from source to destination.		
		The switch should support Trivial File Transfer Protocol (TFTP) to reduce the cost of administering software upgrades by downloading from a centralized location.		
		The switch should support SNMP v1, v2c, and v3 of-band management.		

		The switch should support Serial Console Port		
		The switch should support USB Console Port		
		The switch should support SNMPv1, SNMPv2c, and SNMPv3		
		The switch should support Port security to secure the access to an access or trunk port based on MAC address.		

To provide internet in PRE lab (Department of Chemical Engineering)

S. No	Item	Qty	Make/Model	Unit Rate	Amount	GST
1	Supply of Indoor AP (Annexure C)	01 Nos.	Ubiquity/Motorola /Airpro			
2	Supply of CAT-6 Information Outlet	03 Nos.	AMP/Molex/R&M			
3	Supply of CAT6 UTP cable	200 Mtr	AMP/Molex/R&M			
4	Supply of 1 inch ISI PVC casing	30 mtr	AKG/Rajdhani/Pr ecisson			
5	Supply of Network Switch(Annexure D)	01 Nos	Cisco/Extreme/Ju niper			
6	supply of 1” ISI PVC Plumbing Pipe	25 mtr	Kisaan/Swastik/Pr ecisson			
7	Supply of 24 Port Jack Panel	01 Nos	AMP/Molex/R&M			
8	Supply of CAT6 UTP Patch Cord 1 meter	04 Nos.	AMP/Molex/R&M			
10	Supply of CAT6 UTP Patch Cord 2 meter	04 Nos.	AMP/Molex/R&M			
11	Rack cleaning	01 Nos.	-			
12	Supply of Rack Door Lock	01 Nos	-			
13	Installation of Indoor AP	01 Nos.	-			
14	Installation with Punching of CAT-6 Information Outlet	03 Nos.				
15	Laying of CAT6 UTP cable	200 Mtr	-			
16	Installation of 1 inch ISI PVC casing	30 mtr				
17	Installation of Network Switch	01 Nos.	-			
18	Laying of 1” ISI PVC Plumbing Pipe	25 mtr	-			
19	Installation of 24 Port Jack Panel	01 Nos.				
20	Installation of Rack Door Lock	01 Nos	-			

Specification of Indoor Access Point

S. No	Required Minimum Specification		Compliance (Yes/ No)	Remarks
1	General Features	The Product should be supplied with Wall/Ceiling Mounting Kits		
		The Product should support at least 2.4 GHz Operating Band		
		The Product should support at least 10/100 Ethernet port		
		The Product shall be Supplied with POE Adaptor		
		The Product should support 802.1Q VLAN		
		The Product should support 50+ Concurrent Clients		
		The Product should support 802.11 b/g/n Wi-Fi Standards		
		Product range should be at least 150 meters.		

Specification of 24 Port Network Switch

S. No	Specification	Details	Compliance (Yes/ No)	Remarks
1	General Feature	Switch should be managed type		
		Switch should be Non PoE		
		Switch should have 24 10/100/1000 copper ports		
		Switch should have 4 or more uplink ports.		
2	Power supply	Switch should support Redundant Power supply		
3	Performance and Scalability	The switch should have switching capacity of 56 Gbps or more		
		The switch should have throughput of 41.7MPPS or more		
		Switch should have its operating system		
		Switch should have stacking ports from day one		
		The switch should have stacking bandwidth of 40Gbps or more		
4	Basic Layer-3 Protocol	The switch should support IPv4/Ipv6 static routing		
		The switch should support RIPv1,v2, RIPv6		
		The switch should support OSPF protocol		
		The switch should support VRRP protocol		
5	Security Feature	The switch should support ACL		
		The switch should support CPU DOS Protection		
		The switch should support SSH		
		The switch should support RADIUS, TACACS+, 802.1x auth		
		The switch should support Secure Copy, SFTP Server/Client		
		The switch should support Role Based Policy		
		The switch should support SYN attack protection		
		The switch should support Rate Limiting		
		The switch should support Ip Broadcast forwarding control		
		The switch should support DHCP Snooping		
6	Management	The switch should support SNMP v1/2/3		
		The Switch should have console port.		

7	Quality of Services	The switch should have 8 QOS Queues per port, RFC 2474 DiffServ & 802.1p		
8	Dimension & Environmental	The Switch should be 1RU		
		The switch should be operable in 0 to 50 degree centigrade		
		The switch should be operable 10 to 95%		

Deputy Registrar (S&P)