

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

Phone : 0141-2713312,2713352

Fax No. : 0141-2529078

M/s

.....

.....

NOTICE INVITING QUOTATIONS

1. REGISTRAR, MNIT, JLN Marg, Jaipur invites sealed tenders for the supply of “**Networking Items**” for MNIT Campus of this Institute in **Single bid system**. As per schedule given below

Event	Date & Time
Download of Tender	11.07.2019
Bid submission	05.08.2019 by 2.00 PM
Quotation will be opened at	05.08.2019 at 3.00 PM
Earnest Money	Rs.10,000/- in the name of The Registrar, MNIT and payable at Jaipur (Kindly attached the RTGS details with cancelled cheque along with the Earnest Money)

Quotation must be enclosed in a properly sealed envelope addressed to the MNIT, Jaipur with kind attention to Deputy Registrar (S&P), MNIT, Jawahar Lal Nehru Marg, Jaipur -302017 by designation and not by name. The quotations must be super scribed “Quotations for the supply of **Networking Items** ----- as called for in Tender Notice No. ----- dated -----”DUE ON----- AT -----AM/PM. The Quotation must reach on or before ----- AM/ PM on or before the due date and time mentioned in the tender notice/tender document. The documents must be dropped in the tender box available in Central Store during office hours (9.30am to 6.00pm) on all working days. Bids delivered to any other place or any individual shall not be considered as valid document. Quotations sent by e-mail will not be considered valid. Tender documents may be downloaded from institute’s web site www.mnit.ac.in and CPPP site <https://eprocure.gov.in/epublish/app>

2. **THE RATES QUOTED SHOULD BE F.O.R. JAIPUR inclusive of all charges related to transportation from your end to MNIT, Jaipur in local currency. For imported items, the rates are to be quoted FOR destination (MNIT, Jaipur) only. In case the rates are quoted CIF/CIP New Delhi, then it will be the responsibility of the supplier to intimate us well in advance prior to dispatch and submission of all the relevant documents in time which will be required in clearing the consignment from Custom. If, there is delay in sending the documents and demurrage is imposed, then it will be in the account of foreign supplier. Kindly note that if any amendment is required in LC, after its establishment, the Bank Charges in this respect will be in the account of beneficiary only.** The rates and units shall not be overwritten. Quotations shall always be both in the figures and words. The words “No quotations” should be written across any or all of the items in the schedule for which a tender does not wish to tender. **Cost of each item should be quoted separately giving the unalterable delivery period. Rates of imported goods must be quoted excluding custom duty & GST as this institution is exempted from payment of custom & GST.**

3. As far as possible, quotations should be given for goods of India manufacture which are readily available. Foreign goods quoted and proposed to be supplied should be covered by normal import quota of the dealer. This institute is exempted from payment of custom duty.
4. Detailed specifications and "make" of each item should be clearly given supported by the illustrated pamphlets wherever possible. Quotations without specifying the make and other particulars may be rejected. The accessories included in the equipment should also be clearly mentioned.
5. Losses or damage in transit will be in to the account of the supplier in case of rates **F.O.R. JAIPUR**. The supplier may, if he so desires, get the goods insured and include such charges in the tendered rate.
6. The payment for the ordered items would be made after the articles have been received and found in order. **Payment will be made by RTGS. Kindly send the RTGS details and cancelled cheque along with the Invoice. The payment to foreign supplier will be made through FDD/Wire Transfer OR Letter of Credit as the case may be.**
7. Your rates should be valid at least for three months from the last date of opening of bid.
8. All legal proceedings, if necessity arises to institute may be any of the parties (Institute or Contractor/Supplier) shall have to be lodged in the courts situated at Jaipur and not elsewhere.
9. The institute is not bound to accept the lowest tender and may reject any tender or any part of the tender giving justification for such an action.
10. The quotations should preferably be sent duly typed.
11. (a) The Penalty Clause is as under :-

If the seller fails to deliver any or all of the Goods/Services within the original /re-fixed delivery period specified in the Purchase Order, this Institute will be entitled to deduct/recover the Liquidated Damages for the delay at the following percentage:

(i)	Delay up to one month	1%
(ii)	Delay exceeding one month but not exceeding two month	2%
(iii)	Delay exceeding two month but not exceeding three month	5%
(iv)	Delay exceeding three month	5% for each month and part there of subject to maximum 10%

- (b) In case of failure to supply the goods within the prescribed time and in accordance with the specifications give in the Quotations, the institute shall be free to cancel the order and make purchases from the next higher tenderer or from the open market as the case may be. In that case the loss sustained by the institute shall be recovered from the defaulting supplier. The institute will be at liberty to recover the loss from the permanent earnest money/or any other pending claims of the supplier without prejudice to its general right to affect recovery from the supplier.
12. The prospective bidders can be those who are the manufacturers of the equipment. For items manufactured outside India, the manufacturer itself can be a bidder or its authorised Indian agent can bid on behalf of its Principal that is the manufacturer.
13. In the event, the country of origin of goods is India, only the manufacturers shall be considered eligible for bidding. Authorised agents of Indian manufacturers may be permitted to submit the bid, provided the concerned manufacturer states that as its policy, it does not bid itself in India and that there is no qualitative difference between manufacturer and its agent as bidder in respect of quality of supplies, cost, and responsibility of maintenance and servicing. The Indian manufacturer must describe the alternatives

- in clear terms, in the event the bidding agent ceases to continue as agent of the concerned manufacturer within the stipulated warranty period.
14. If any Indian manufacturer requires importing an essential part from a foreign country, the said company may be given to enjoy the benefit of customs duty exemption with the aid of CDEC of MNIT, Jaipur provided the import of the concerned item is done on behalf of MNIT, Jaipur.
15. **Quotation will be submitted in the following manner:**
- a) Bidder shall enclose Earnest Money Deposit (EMD).
 - b) Bidder must be a manufacturer/authorized distributor/ Dealers must enclose a certificate of authorization of manufacturer with the bid.
 - c) All Indian agents of foreign company must provide valid proof that they are the agent in India on behalf of the manufacturer; any proof without due certification from the manufacturer under their own letter head shall be void *ab initio*.
 - e) One declaration by the Manufacturer to the extent that in case of failure of its local agent /office to provide service support to the satisfaction of MNIT Jaipur, it shall make immediate arrangement for required service support.
 - f) **Bidder should enclose technical compliance from the Manufacturer. The specifications of items should be strictly as specified. Deviation, if any may please be mentioned separately. If there is no deviation than it should be mentioned as “No Deviation”.**
 - g) The leaflets catalogue, related to quoted equipment/model etc. should be sent invariably, so that a proper evaluation of the equipment offered is possible.
 - h) Mention must be made of the pre-installation requirements for the equipment quoted viz. ambient temperature, humidity, weather specifications, power specifications, civil works etc. When items are provided full performance satisfaction should be demonstrated.
 - i) Bidder must enclose the acceptance of terms and conditions and must enclose the duly signed and stamped tender document.
 - j) All the Annexure enclosed should be duly filled up and signed.
 - k) Please attach proof/certificate of each condition required in the tender document.
16. **Delivery Period:-** The ordered quantity of stores must be delivered within 6 to 8 weeks in the case of indigenous equipment and 14 to 16 weeks in the case of imported equipment, F.O.R. Destination MNIT, Jaipur at Supplier’s Risk within the period specified and got inspected as the delivery of store is required urgently and as such the renderers should quote their earliest delivery period accordingly. The extension of delivery period after placing the PO, if required, will be considered only on genuine reasons and proper justifications only.
17. **Installation:** - Successful BIDDER shall depute concerned specialist, for supervision of erection & commissioning of the machine to be carried out as and when necessary. The successful BIDDER shall make necessary arrangements during the entire warranty period at their own expenses for stay, transport and other expenses of their specialist during their stay in Jaipur;
18. **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. Successful Bidder has to Provide Performance security @ 10% of the equipment cost, valid for 01Year + 60 days in the form of Bank’s Guarantee/DD from a commercial bank within 15 days from the date of issue our Purchase Order.

20. **Arbitration Clause: - In the eventuality of any dispute, the sole Arbitrator shall be Registrar, MNIT, Jaipur and his decision shall be binding on all the parties.**
21. While submitting the tender, the **GST Registration No. & E-mail Address** is to be mentioned by the bidder positively. Failing this, there bid will be treated as non responsive. & Kindly provide

Deputy Registrar
(Store & Purchase)

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 pigtailed 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 Protocol	The Switch Should support Ipv4/Ipv6 static routing		
		The Switch Should support RIPV1,V2		
		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/Precisson			
5	Supply of Network Switch(Annexure D)	01 Nos	Cisco/Extreme/Juniper			
6	supply of 1" ISI PVC Plumbing Pipe	25 mtr	Kisaan/Swastik/Precisson			
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, RIPng		
		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 operatable in 0 to 50 degree centigrade		
		The switch should operatable 10 to 95%		

Deputy Registrar
(Store & Purchase)