

NATIONAL INSTITUTE OF TECHNOLOGY  
KURUKSHETRA-136119

No. CCN/2018/246 / 5176

Dated: 10/10/18

M/s Institute Website

**Sub: INVITATION OF QUOTATIONS FOR NETWORK UPGRADATION (1G TO 10G).**

1. You are invited to submit your most competitive quotation for the following goods:

Sr.No.	Brief Description & Specifications of Goods	Quantity
1.	Network Upgradation (1G to 10G) (Detailed Specifications are attached)	01 Nos.

2. Necessary literature of the goods may please be sent to facilitate to take decision.

3. Payment will be made Online through RTGS/NEFT within 30 days after receipt of material in good condition and according to specifications and installation of the same. The Bank detail for making online payment may be indicated in the quotation.

4. The supplier shall deposit Earnest Money along with the Quotation amounting to Rs. 40000 /- in shape of Accounts Payee Demand Draft/Fixed Deposit Receipt/Bankers Cheque or Bank Guarantee from any scheduled commercial Bank in favour of the Director, National Institute of Technology, Kurukshetra. The Quotations without Earnest Money shall be rejected, the EMD will remain valid for a period of 45 days beyond the final validity period of quotation.

5. Performance Security @ 5% of the total value of the equipment must be furnished in shape of Demand Draft/Fixed Deposit Receipt or Bank Guarantee from any scheduled Commercial Bank in favour of the Director, NIT Kurukshetra valid upto 60 days after the date of completion of warranty by the successful bidder.

6. The items must be supplied within delivery period or delivery period extended by the Institute on the request of the supplier on genuine grounds otherwise the penalty for delayed period @ 0.5% of the amount shall be charged for every week or part thereof and the maximum 10%. The request for extension of delivery period (if any) must be made before the last date of supply as per P.O.

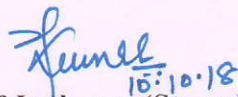
7. The goods are required not exclusively for Research Purpose. The Duties are payable by the Institute.

8. The quotation should remain valid for a period not less than 90 days from the date of submission.

9. The firm must have got GST No. printed on their quotation

10. The right of accepting or rejecting any quotation and to cancel the bidding process and reject all quotations without assigning any reason is reserved with the Institute.

11. The due date for receipt of quotation is 01.11.2018 and will be opened on next working day. Please quote on the top of the envelope our Ref. No. and due date of opening.

  
10/10/18  
Prof-Incharge (Stores)

Centre of Computing & Networking  
National Institute of Technology Kurukshetra

**Bill of Materials**

Sr. No.	Description	Qty
1	8-port 10GBASE-XFP Line Card for existing Chassis based core switch	1
2	10GBASE-LR XFP, LC Connector Transceivers	5
3	24 Port Gigabit Layer 3 switch with 4 Nos. 10G Uplinks	5
4	10GBASE-LR SFP+, LC Connector Transceivers	5

**Note:** Bidders are advised to visit the installation site (CCN, NIT Kurukshetra) before submitting the quotation for ascertaining the compatibility requirements with the existing networking infrastructure of the Institute.

**Technical Specifications**

A	<b>8-port 10GBASE-XFP Line Card</b>
A-1	The Line Card should be compatible with the existing Extreme Black Diamond 8810 Chassis switch
A-1	The line card should have 4K ACLs per 2 port blocks
A-2	The line card should support policy-based routing
A-3	It should have hardware based sFlow sampling & Clearflow
A-4	It should have minimum 8 Nos. XFP 10Gbase-X ports
A-5	Back Plane switching capacity should be minimum 48 GBPS with 2 Nos. Management Modules
A-6	Should have minimum 32K L2 MAC Address table & 6K IPv4 Host table
A-7	Should have hardware base IPv6 forwarding



B	<b>24 Port Gigabit Layer 3 switch with 4 Nos. 10G Uplinks</b>
B-1	Switch should have minimum 20 Nos. 10/100/1000 Base T, 8 Nos. 1000Base-X SFP and 4 Nos. 10GBASE-X SFP+ ports
B-2	Switch should have wire-speed, non-blocking performance on all ports
B-3	Should support stacking up to 8 units in a single stack connected on at least 40 GBPs dedicated stacking ports
B-4	Should support minimum 296 GBPs or more switching aggregated bandwidth and 220 Mbps frame forwarding rate
B-5	Should have less than 4 microseconds of 64-byte latency and 8Kbps rate limiting granularity.
B-6	Should support minimum 96K L2 MAC addresses and 62K Ipv4 Host addresses.
B-7	Should support minimum 4K VLANs
B-8	Should support Redundant and Hot swappable Power Supplies and Fan trays.
B-9	Switch should be capable of supporting all basic & advanced L2 & L3 features including IGMP snooping, RIP, VRRP, OSPF & BGP.
B-10	For Scalable Network Architecture switch should also be capable of supporting MPLS & VPLs based Layer 3 forwarding.

### Terms & Conditions

1. This is a turnkey project and includes supply, installation, configuration, testing and commissioning of the supplied components.
2. Three- Year OEM warranty on all the switches, SFP+ & XFP transceivers and Line card.
3. All the switches, Line card, XFP & SFP+ transceivers must be from the same OEM.
4. Complete technical details/data sheets and brochures should be provided along with the quotation.
5. Delivery Period: The project should be completed including supply and installation of the required materials within six weeks from the date of Purchase order, failing which PO may be cancelled. The bidder should clearly mention the time for the validity of quotation, delivery and installation of the components.
6. Bidders should attach the mandatory Manufacturers Authorization letter from OEM along with their quotation to ensure the warranty & support from OEM. In absence of this letter, their bids will be summarily rejected.