

Detailed Specifications of Open Tender Notice No: 06/2014

S. NO	TENDER NO.	BRIEF DETAILS OF ITEM(S)	PAGE NOS.
1.	17(921)13-PB/ T-26	Establishing Network infrastructure in Metrology Building, CSIR-NPL, New Delhi including supplies of Network Switches, Network Rack and accessories as per schedule of items, Technical Specifications & Quantity	2-4

Metrology Building – Technical Specifications for Network Infrastructure

Sr. No.	Item Name	Qty	Detailed Specification of Items
1	Ethernet Network Switches	7	Layer 3, 48 Ethernet 10/100/1000BASE-T Ports, 4 SFP port, 19” rack Mountable, Console Ports RJ45 or RS-232, Switch Fabric Minimum Speed 96 Gbps , Managed, Multiprotocol support, Multicast control, Management support, Spanning tree protocol , OSPF, Port trunking, VLAN support, Flow control, Fault tolerance, QoS (Quality of Service) support, SNMP v2,SNMP v3 support, MIB/ IETF Standards, 200 to 240 V AC, 50 Hz, Internal Power Supply.
2	Network Rack	3	19 inch 42U Rack, with 800mm Width , 1000mm Depth, with front perforated doors and side panels, with spilt back perforated doors, Cable entry from top panel, AC main channel 12 point 5Amp (Qty-2), Four or more Castors, Minimum 2 “Reducing Cable Channels” , Cable manager, Top Mounted Four fans , 10 pieces of mounting hardware.
3	Fiber LIU	4	12 port fully loaded, Single Mode Fiber based , Rack Mounted
4	Jack Panels	15	24 port CAT6 based with option of dust cover for terminations
5	Ethernet Patch Cord	200	3m (PC end) CAT6 Industrial based should meet UL , TIA/EIA certifications
6	Ethernet Patch Cord	200	1 ft. (rack end) CAT6 Industrial based should meet UL, TIA/EIA certifications
7	Fiber Switch	1	12 SFP Gigabit Port Layer 3 , 8 SFP Slots +4 Combo GE/SFP, Aggregated Bandwidth minimum 24Gbps, IPV6 ready, Managed, Web, Serial Console Management , Packet buffering, Single Mode compatible
8	SFP-GBIC	10	Giga Bit Single Mode , SC-LC Converter complying Laser Class, EN , IEEE standards
9	Fiber Patch Cords	20	Giga Bit Single Mode, SC-LC Duplex should meet UL, TIA/EIA certifications
10	Job Work and Installation	As per actual	# Detailed sheet attached (Page 2)

Installation & Commissioning Details (Common for three Server room at each floor)

(The mentioned items should be quoted per units)

1. Installation and termination of already laid Ethernet cables at Jack panels in the racks.
2. Labeling and Connectivity of Ethernet cables from Jack panels to Switches in the racks.
3. Optical fiber core splicing in LIU in the rack at DATA Centre (Room No. 149) and Server Room at each floor in Metrology Building.
4. Fiber cable installation between LIU and Network Switch.
5. Switch Installation and configuration.
6. LIU installation in the rack.
7. Installation and commissioning of the all Network Equipment in the Metrology Building after issuance from CNF, NPL will be the responsibility of Bidder.

Terms and Conditions:

1. The supply, networking, installation and commissioning as per NIT should be completed within 12 weeks from the date of issue of Purchase Order.
2. The specifications mentioned in the NIT are the minimum acceptable specifications.
3. Onsite Warranty is required for three years 8hrs X 5days (with response time of next working day) from the date of completion of supply, networking, installation and commissioning.
4. Further, two years extended Warranty must be quoted separately which shall not be taken in to account for financial comparison.

5. The OEM(s) of all quoted item in the technical bid must have own Service Center in Delhi/NCR. The addresses and contact details must be provided along with the technical bid.
6. The Bidder must have an authorization letter from OEM(s) for providing warranty of the quoted items for this bid.
7. The Handing over of the installed network will be accepted only after testing and successful commissioning of the whole system installed by the Bidder.
8. All equipment, tools, accessories required for networking and installation and commissioning shall be provided by the Bidder.
9. Complete documentation of installed Network, along with Schematic Diagram shall be submitted by the Bidder after completion of installation, networking and commissioning.
10. The entire contract shall be awarded to only one technically acceptable Bidder who will emerge as lowest evaluated. Please note that sub-contracting of the supply, networking, and installation and commissioning will not be allowed either in whole or part and the Bidder shall be fully responsible for complete execution of contract.
11. Interested Bidder can inspect the site during office hours on working days up to a day before the last date of submission of the tender, if so desired. The contact people for visiting the site are Sh. Trilok Bhardwaj and Sh. Nitin Sharma, Ph. No. 45608594, Computer Networking Facility (CNF), main Building, CSIR-NPL, New Delhi.
