

BOQ

Sub: LAN networking extension in various labs in AB-1 building

SNo.	Particulars	Quantity	Unit	Rate	Amount
1	16 Port 10/100/1000 Mbps Gigabit Ethernet Switch, rack mountable Type: Unmanaged	6	Nos.		
2	Cable/DSL Router (with one 10/100 WAN Port and eight 10/100 LAN ports, web manageable and in built DHCP server agent)	26	Nos.		
3	UTP cable (Cat-6), Box of 305 mt length	15	Nos.		
4	Cat-6 Patch Cord (3 meter length)	170	Nos.		
5	Cat-6 Patch Cord (1 meter length)	75	Nos.		
6	6U Wall Mount Rack with 6 socket PDU, Fans with Fan Tray & H/w Packet and other std accessories	6	Nos		
7	Flexible PVC Conduit (of size 25mm) Type: Heavy Gauge	100	Meter		
8	Steel Wire (18 SWG)	3	KG		

Specifications and Compliance Sheet

Item No.	Particulars	Specifications	Pl. indicate Compliance (Yes or No)	Deviation Remarks, if any
1.	16 Port 10/100/1000 Mbps Unmanaged standalone Gigabit desktop / rack mountable Switch	Non-blocking architecture, MAC address table size : 8 K, Switch fabric : 48 Gbps forwarding capacity. Store and forward transmission method. Packet buffer memory : 512 K Bytes buffer memory per device. Quality of service : 802.1p. Network Protocols & standards : IEEE 802.3 Ethernet, 802.3u Fast Ethernet, 802.3x Flow Control, 802.3ab Gigabit Ethernet, 802.1p Priority Queuing. ROHS compliant, FCC class A, CE Class A - Emissions. Safety : CSA, NRTL/C. Should be of Plug n play, Auto negotiation and Auto cable detection.		
2	Cable/DSL Router	with one 10/100 WAN Port , eight 10/100 LAN ports, web manageable and in built DHCP server agent and other standard features.		
3	UTP cable (Cat-6)	4-pair unshielded twisted pair (UTP) cable, 23 AWG solid copper conductors for superior conductivity, Polyethylene insulation, Flame retardant jacket, Compliant with EIA/TIA standards by ETL. Jacket hardness: 45P		
4	Cat 6 Patch Cord (3 meter length)	4 pair twisted stranded cable terminated with RJ45 Modular plugs. Should comply TIA/EIA-568-C.2 standard. Length: 3 m., Conductor: 24AWG, Multi-strands, Conductor metal: Bare copper, Insulation material : High Density Polyethylene, Minimum Heat resistance: 60 degree Celsius. The contact blade of modular plugs: phosphor bronze, Maximum Insulation resistance : 35M Ohm.		
5	Cat 6 Patch Cord (1 meter length)	4 pair twisted stranded cable terminated with RJ45 Modular plugs. Should comply TIA/EIA-568-C.2 standard. Length: 1 m., Conductor: 24AWG, Multi-strands, Conductor metal: Bare copper, Insulation material : High Density		

		Polyethylene, Minimum Heat resistance: 60 degree Celsius. The contact blade of modular plugs: phosphor bronze, Maximum Insulation resistance : 35M Ohm.		
6	6U Wall Mount Rack	6U Wall Mount Rack with 6 socket PDU, Fans with Fan Tray& H/w Packet and other std accessories preferably of make : (PRESIDENT/ RITTAL/EMERSON)		
7	Flexible PVC Conduit (of size 25 mm)	Light Weight Flexible Conduit Type: KF-Korifit or equivalent Material: PVCu Applications: Light Duty Commercial & Industrial IP Ratings: IP40, IP65		
8	Steel Wire (18 SWG)	Medium gauge, ISI approved, 18 SWG or at per		