BOQ

Sub: LAN networking equipments for various Scholar Rooms in AB-1 building

SNo.	Particulars	Quantity	Unit	Rate	Amount
1	24 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)	6	Nos.		
3	UTP cable (Cat-6), Box of 305 mt length	10	Nos.		
4	Cat-6 Patch Cord (3 meter length)	130	Nos.		
5	Category 6 UTP Surface Mount Type Information Outlets	100	Nos.		
6	6U Wall Mount Rack with 6 socket PDU, Fans with Fan Tray& H/w Packet and other std accessories	1	Nos		
7	RJ-45 Connectors (Pack of 100)	2	Nos		
8	Flexible PVC Conduit (of size 32 mm) with saddle , screws and gutties Type: Medium Gauge	100	Meter		

Specifications and Compliance Sheet

Item No.	Particulars	Specifications	Pl. indicate Compliance (Yes or No)	Deviation Remarks, if any
1.	24 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 Protocals & standatrds : 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), Box of 305 mt length	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	Category 6 UTP Surface Mount Type Information Outlets	• Should meet for exceed the EIA/TIA 568 A/B, EIA/TIA 5688 (Gigabit) standard • Surface mount box with single RJ45 socket to terminate UTP CAT 6 Cable		

		• Gold plated contact surface • Provision for dust cover for protection against dust • Provisions for labeling icons and strips • Provision for anchors for smooth cable entry. • ETL certified & UL@ Listed • the size of front plate should be 3 inch by 3 inch (3" X 3")		
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	RJ-45 Connectors (Pack of 100)	For Cat5/Cat5e/Cat6 Networking Cable end connections for directly connecting network equipments, Should be directly punchable using RJ-45 crimping tool without any separator. Should be of brands equivalent to Digi-Link etc		
8	Flexible PVC Conduit (of size 32 mm) with saddle and screws Type: Medium Gauge	Light Weight Flexible Conduit Type: KF-Korifit or equivalent Material: PVCu Applications: Light Duty Commercial & Industrial IP Ratings: IP40, IP65		