



YASHWANTRAO CHAVAN MAHARASHTRA OPEN UNIVERSITY

Dnyangangotry, Near Gangapur Dam, Nashik 422 222 (Maharashtra, India)

Telephones : (253) 2230024, 2230227, 2233698, 2234459, 2234716-18

Visit us on Internet <http://www.ycmou.digitaluniversity.ac>, & ycmou.ac.in

To,

Enquiry No. : 910

Date : 16.02.2024

Subject : Quotation for “ Supply & Installation of Active and Passive Networking Components”

Dear Sir,

- (01) We need the item listed in the table below from Dealer and as per **Terms and Conditions** attached herewith. **Rates are quoted on your letterhead.**
- (02) Please let us have your most competitive offer clearly stating your normal terms and conditions, Delivery Time, Payment Terms, GST, Warranty Period,
- (03) Please send your sealed quotation to the "**Dy. Registrar, Purchase Section, Yashwantrao Chavan Maharashtra Open University, Dnyangangotry, Near Gangapur Dam, Nashik 422222**".
- (04) **The final Date for receiving quotation is 27.02.2024.**
- (05) The quotation should be valid for 60 days from the date of enquiry.
- (06) Please write on sealed envelope in bold letter "**Enquiry No. 910, date: 16.02.2024 and quotation for “ Supply & Installation of Active and Passive Networking Components”**"
- (07) The supplier should necessarily follow the above instructions otherwise quotation will not be considered for further process.
- (08) Your GST registration number must be shown in your invoice.
- (09) The Supplier must have Certification of ISO 9001:2015, ISO 20000-1:2008, ISO 27001:2013.
- (10) The Supplier must have Local Service Centre in Nashik and minimum 25 Technical Resource on Pay-Roll.
- (11) The Supplier must have worth Certificate and PF, ESIC Registration.

Rates Should be quoted as per our Proforma as follows

Sr.No.	Description	Unit	QTY	Unit Rate	Total
A) 1)	24 Ports 10/100/1000 Mbps Unmanaged Switch D-Link Make DGS-1024C	Nos.	4		
	Switching Capacity : 48 Gbps Switching Fabrics				
	Auto MDI/MDIX cross over for all ports				
	Support 9,216 byte Jumbo frames				
	Store and Forward Switching method				
	Auto Negotiation for each port				
	Transmission Speed : Store and Forward				
	MAC Address table Size : 16,000				
	Packet Filtering / Forwarding Rate : Ethernet 14,880 pps per port, Fast Ethernet : 148,800 pps per port, Gigabit Ethernet : 1,488,000 pps per port				
	LED Indicators : Per Port : Link/Activity/Speed , Per Device : Power (All accessories will require for mounting switches.)				

2)	Rack D-Link	Nos.	1		
	19" 4U Wall Mount rack with necessary accessories				
	Necessary Accessories should include				
	Cable Managers				
	Power strip keeping in mind maximum active components to be placed in the rack				
	Fan tray with Cooling Fans for the appropriate racks				
	Hardware of the rack which includes screws, bolts, etc required for mounting jack panels, cable managers and active components				
3)	UTP Cables (D-Link)	Boxes	6		
	CAT 6 UTP Cable (in Box- 305 Mtr = 1 Box)				
4)	UTP Patch Cord (D-Link)				
4.1)	1 mtr Patch Cord (B Type)	Nos.	65		
4.2)	3 mtr Patch Cord (B Type)	Nos.	60		
5)	24 Ports Patch Panel and Accessories Loaded (D-Link)	Nos.	4		
B)	Labour and Other Services (Casing Capping , Flexible Pipe - ISI Mark)				
1)	25 mm Casing Capping with necessary fixtures	Mtrs	200		
2)	25 mm PVC Pipe with necessary fixtures	Mtrs	200		
3)	20 mm Flexible Pipe with necessary fixtures	Mtrs	50		
4)	32 mm Flexible Pipe with necessary fixtures	Mtrs	10		
5)	Cabling charges for UTP cable	Mtrs	1200		
6)	Crimping of Information Outlets	Nos.	60		
7)	Crimping of Patch Panels	Nos.	4		
8)	Boring of Holes through wall or Slabs	Nos.	8		

Note : *B : Casing Capping, PVC Pipe, Flexible Pipe, Cable Laying Charges , Holes as per actual.

Terms and Conditions :

1. Eligibility & Technical Bid: (Documents to be enclosed with Technical Bid)

A. Authorization letter from D-Link to provide service support to D-link Network Product:

The Bidder must be authorized by the manufacturer of the equipment (Active and Passive Components) for quoting their product in this tender. The bidder must submit authorization letter from D-Link that they will provide service support to supplied D-Link Network product.

2. SCOPE OF SERVICE:

The description of scope of work/job to be done is as mentioned below. Please note that the quantity for cables and excavation work are approximate.

Parameters of site Design and Quality of Work:

- Copper cable should be routed through casing capping or conduit.
- All passive components should be of the same make.
- The cabling system proposed should meet the specifications as prescribed in ANSI/TIA/EIA-568.B CAT-6 standard, ISO 11801 and EN standards.

- The cabling solution should be flexible and capable of including new facilities or technologies, as they become required or available.
- Dust covers need to be provided for unutilized ports of faceplate if applicable.
- All the accessories used for cable laying should be ISI certified materials
- Each equipment, panel and outgoing cable from the patch panels shall be labelled. Proper labelling and numbering shall also be provided on the outlets. All cable labels are to be of clear wrap around self-adhesive type & each cable is to be labelled at each end at 100mm from termination point. Labelling to be machine typed.
- The bidder shall plan the cabling system and routing to ensure system-integrity and performance, and that it does not present problems of maintenance, access nor conflict with the operation and maintenance of other systems.
- The bidder shall provide adequate support for all cabling that is vertically installed, ensuring that the weight of the cables is sufficiently supported.
- The bidder shall ensure that the cabling & terminations are done in accordance with the industry standards. Machine crimped patch cords/ cables shall only be used. No manual crimping shall be acceptable.
- Proper earthing of the racks shall be done.

UTP Related : Structured cabling standards shall be strictly followed.

- i. Casing and Capping/ PVC Pipe : Casing and capping / PVC Pipe fitting is to be done Neatly. Screws (1.5”), fillers, Clamps etc. have to be provisioned by the contractor and attached every 3-4 feet.
- ii. Cat 6 UTP cable installation: Cat 6 UTP cables shall be installed inside casing and capping / PVC Pipe so that it is not exposed anywhere. Velcro cable ties provisioned by the contractor shall be used for keeping cables bundled.
- iii. IO Box installation: Complete IO box assemblies shall be installed
- iv. UTP cable termination: Standards based termination of UTP cables at both ends – patch panel and RJ45 jacks of IO outlets. Use of Patch Cords to connect the patch panel and the network switch
- v. Printed IDs for cables and IO boxes

Feruling and Labelling Requirements:

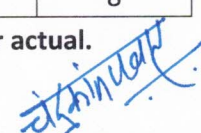
- iii. Lettering and numbering shall be black, longitudinal to cables, shall be typed in readable format, permanent and smudge-proof. Cable labels shall have a white background unless specified elsewhere in this specification. Labels shall have waterproof jackets. Hand-written labels will only be acceptable on a temporary basis during installation.
- iv. Labels at the communications rack or cabinet should identify the location, e.g., room number of workplace outlet and to cable number. Labels at workplace outlet should identify the communication cabinet and cable number.

Support for 3 years for solving connectivity problems between Nodes and Racks including Patch Panels, Information Outlets, LAN Cables etc.

Technical Specification

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 Deputy Registrar
 Purchase Section