SHRI GURU GOBIND SINGHJI
INSTITUTE OF ENGINEERING & TECHNOLOGY; VISHNUPURI, NANDED.

No.SGGSIE&T/Store-3045/Access Layer Switch/Camp. Net./2022-23 Date: 03/10/2022

Inquiry

Subject :- Quotation for supply of Access Layer Switch For Campus Networking [Specification attached with Annexure – "A"]

Dear Sir,

You are requested to send your most competitive quotation for the supply of above material, subject to Conditions mentioned. The quotation in sealed cover should reach this office on or before **17/10/2022** at 01=00 PM

The sealed cover should super scribe as QUOTATION for above material; Due on **17/10/2022 at. 01=00 PM.** The quotation will be opened on **18/10/2022** At. 01:00 pm. If possible in the presence of such suppliers who remain present.

TERMS AND CONDITIONS:

1. Rates quoted are F.O.R. At Vishnupuri.
2. The taxes, Insurance, Freight, Packing & forwarding charges etc. If any must mention separately.
3. The validity period for the rates offered should be clearly mentioned and it should be 90 days from the date opening of the quotations.
4. The delivery period shall be clearly stated.
5. Submit the shop act certificate along with the quotation.
6. Submit the GST registration certificate along with the quotation.
7. The item quoted should be confirm to the specification given please furnish your Details Specification against each item quoted. The relevant catalogue/pomp let should necessary accompany the quotations.
8. The institution reserves the right to accept any quotation or reject any/all quotations and to order Any of the items in any quantity without assigning any reason
9. The items will have checked at the institute and acceptance is subject to the approval of the institute.
10. If the supply of any part thereof is reject by institute the supplier will have to bear all expenses. Incurred in the matter including all charges for return and replacement of the items.
11. Guarantee should be minimum 12 months from demonstration/installation.
12. 100% payment will be made after receipt of material in good condition and approved by us.
13. If you are having with DGS&D rate contract, or your item is proprietary then please send copy of rate contract or proprietary item certificate along with authorized dealership certificate.
14. If your item/s is /are PROPRIETORY item, then you may please send the PROPRIETORY ITEM CERTIFICATE along with the quotation.
15. If you are AUTHORISED DEALER of any manufacturers, then please send the dealership Certificate and company price list along with the quotation.
16. **Penalty clause:** If supplier fails to supply the ordered material within the scheduled delivery period, for late delivery of goods we will entitled to recover the liquidated damages as a sum equal to ½ percent of the price of stores delivered late per week. As per store purchase manual Revised as per G.O (P) No.3/2013/SPD, dated 21.06.2013.

Thanking You,

DIRECTOR
Director
SGGS Institute of Engg. & Tech.
Vishnupuri, Nanded

Annexure "A"

SR. No.	Name of the material with detail specification	Purpose	Qty Req.
1	2	3	4
01	Access Layer Switch, 24-Port Non-PoE 10/100/1000 BaseT, 4x1 /10G SEP/SFP+(optical separate) Next Day Support for Access Layer Switch-24T(1YR) (Annexure-I attached herewith for detailed specification)	For Use In Innovation Lab	01 01

Annexure – I

Detailed Technical Specifications	Compliance (YES/NO)
Architecture	
The Proposed Switch should support Switching capacity of minimum 128 Gbps or more	
The Proposed Switch should support Switch forwarding rates of minimum 90 Mbps or more	
The Proposed Switch should support 24 No.s of 10/100/1000 Mbps Base-T ports and 4 x 1/10G SFP+ ports onboard	
The Proposed Switch should have minimum 1GHz CPU or more	
The Proposed Switch should have minimum 2GB DRAM or more	
The Proposed Switch should have minimum 2GB Flash or more	
Connectivity	
802.3ad based standard port/link aggregation, Jumbo frames, storm control	
The Proposed switches can be combined to deliver unmatched scalability of virtualized access layer switches and flatter two-tier networks and switch should support single IP management up to 4 Switch over 10G Uplink Ports in same Rack, Across Rack, Same Floor, Across Floor, Same Bldg or Across the Bldg.	
Switching features	
The Proposed Switch should support 802.1D, 802.1s, 802.1w, VSTP	
The Proposed Switch should support IEEE 802.3ad Link Aggregation of up to 128 groups of 8 ports per group	
The Proposed Switch Should support minimum 16,000 numbers of MAC addresses or more	
The Proposed Switch Should support Jumbo Frames of 9216 bytes	
The Proposed Switch should support Port-Based and MAC-Based VLANs, Voice VLAN, Private VLAN	
The Proposed Switch should support IEEE 802.1ag, IEEE 802.3ah, IEEE 802.1br	
L3 Features	
The Proposed Switch should support minimum 1000 ARP entries or more and Support for minimum 500 IPv4 unicast routes or more	
The Proposed Switch should support IPv6	
The Proposed Switch Should Support minimum 100 IPv6 unicast routes or more and 1,000 IPv6 multicast routes or more	
The Proposed Switch should be capable to Support Layer3 routing protocols like Static, RIP v1/v2, OSPF, RIPnG, OSPFv3	
The Proposed Switch should be capable to Support IGMP v1,v2,v3, IGMP snooping, PIM SM, SSM and DM.	
Security	

The Proposed Switch Should Support Control plane denial-of-service (DoS) protection	
The Proposed Switch Should Support Port Based ACL, VLAN Based ACL, Router Based ACL.	
The Proposed Switch Should Support for L2 to L4 ACLs	
The Proposed Switch Should Support DHCP Snooping, DAI, MAC-Limiting, MAC-Security, 802.1X dynamic ACL based on RADIUS attributes	
Quality Of Service	
The Proposed Switch Should Support minimum 8 number of hardware queues per port	
The Proposed Switch Should Support following L2-L4 classification criteria: Interface, MAC address, Ether Type, 802.1p, VLAN, IP address, DSCP/IP precedence, TCP/UDP port numbers	
The Proposed Switch Should Support 802.1p, DSCP /IP precedence trust and marking	
The Proposed Switch Should Support Following Scheduling methods (egress): Strict Priority (SP), shaped- deficit weighted round-robin (SDWRR)	
The Proposed Switch Should Support Congestion avoidance capabilities: Tail drop	
Management	
The Proposed Switch Should Support enhanced CLI with exclusive debug / troubleshooting capability.	
SNMP v1, v2, v3, RMON enabled, SSH, telnet, CLI and should have out of Band Management port	
Switch should support port-mirroring feature for monitoring network traffic of a particular port/VLAN.	
The Proposed Switch Should Support ZTP, Dual Boot Partition, SW Image Rollback	
The Proposed Switch Should Support Rescue Configuration, Configuration rollback, Automatic configuration Rollback	
The Proposed Switch Should Support DHCP Server	
The Proposed Switch Should Support Extended ping and traceroute	
High Availability	
The Proposed Switch Should be capable to Support Graceful Routing Engine Switchover (GRES) for between master and backup switch in the Fabric/ Stack.	
Certifications	
Switch should be ROHS compliant	
The switch should comply with following safety certification • UL-UL60950-1, C-UL to CAN/CSA 22.2 No.60950-1 • TUV/GS to EN 60950-1, Amendment A1-A4, A11 • CB-IEC60950-1, all country deviations • EN 60825-1	