



Public Tender No: IITGOA/CITS/004

Date: 30/01/2019

Corrigendum II to the Tender for supply, installation and commissioning of Networking Items, public tender No: IITGOA/CITS/004 dated: 18/01/2019.

For the tender for supply Networking Items at IIT Goa, Bid submission date and following specification for Sl.no- 2 and 3 have been modified as follows:

Sl.No	Item Name	Specification
2	24 port POE Switch	<ul style="list-style-type: none"> • Minimum of 24 ports 10/100/1000 Base-T PoE+ with 370W power supply and 4 SFP ports upgradable to 10G SFP+ ports • 1 x Out of Band IP based management Port , 1 Console Port, USB Port / External Flash • support stacking for upto 8 switches with minimum 40 Gbps stacking. • Have Redundant Power Supply support. • Each switch should have minimum 128 Gbps or more with non blocking architecture and Forwarding rate of 95 Mpps. • Should be equipped with minimum 1GB RAM and 1GB flash. • Should have LED indicator for per port status , FAN, PSU and Management Status • 0°C to 45°C operating temperature and 5% to 90% relative humidity. • Hardware and software configuration have for IPv6 from day one • Should have 16 K MAC Address, 4K active Vlans • Should support 10 K ARP entries • 802.1D spanning Tree and PVST+, 802.1w, 802.1s , Should have BPDU Guard or equivalent feature on edge port to auto disable port for a configurable time period to if an accidental loop occurs in the network • Should support aggregating and load balancing of traffic to two or more peer switches within same VLAN • Should have Port based VLAN, MAC based VLAN, private vlan and 802.1 AK for dynamic VLAN propagation • Should have 8 Hardware QOS Queues per port • Should have traffic rate limiting with Configurable bandwidth granularity of 8 KBps • Should have Link Layer Discovery Protocol (802.1ab) to allow recognition of third party network devices and LLDP MED for auto configuration • Should have MAC address tracking and notification for mac address addition , delete or movement in the Network • Should support policy based routing and switching • Should have basic dynamic routing protocols like static routing, Default routing and RIP from day 1 and be upgradeable to OSPF , PIM. • Should have Configurable multicast session limit per port • Local authentication database for RADIUS Authentication for 802.1x login • Should have MAC security – Lockdown & Limit and MAC address tracking with syslog & snmp notification . • Should have SSH-2, SCP, SFTP for secure management. • Should have dynamic arp inspection , DHCP snooping, Private VLAN. • Should have ASIC based traffic flow analysis based on Netflow/ sFlow/ Ipflix • Should have minimum 1 K ACL entry support and Time Based ACL • Should have scheduled archiving / uploading of configuration and system log to a central server. • Should support inbuilt DHCP server and Client for quick configuration of endpoints and switch • Telnet server , ssh server, Ping and trace route over Ipv6 • Web, Console and CLI management • Dual firmware and configuration rollback • Inbuilt browser based bandwidth monitoring • Should support Energy Efficient Ethernet 802.3az

		<ul style="list-style-type: none"> Model should have safety and standards certifications as below :EN 55022 Class A, CISPR 22.
3	48 port Switch Manageable switch with 4 port OFC uplink	<ul style="list-style-type: none"> Minimum of 24 ports 10/100/1000 Base-T with 4 SFP ports upgradable to 10G SFP+ ports. 1 x Out of Band IP based management Port , 1 Console Port, USB Port / External Flash support stacking for upto 8 switches with minimum 40 Gbps stacking. Have Redundant Power Supply support. Each switch should have minimum 176 Gbps or more with non blocking architecture and Forwarding rate of 130 Mpps Should be equipped with minimum 1GB RAM and 1GB flash. Should have LED indicator for per port status , FAN, PSU and Management Status 0°C to 45°C operating temperature and 5% to 90% relative humidity. Hardware and software configuration have for IPv6 from day one Should have 16 K MAC Address, 4K active Vlans Should support 10 K ARP entries 802.1D spanning Tree and PVST+, 802.1w, 802.1s , Should have BPDU Guard or equivalent feature on edge port to auto disable port for a configurable time period to if an accidental loop occurs in the network Should support aggregating and load balancing of traffic to two or more peer switches within same VLAN Should have Port based VLAN, MAC based VLAN, private vlan and 802.1 AK for dynamic VLAN propagation. Should have 8 Hardware QOS Queues per port Should have traffic rate limiting with Configurable bandwidth granularity of 8 KBps Should have Link Layer Discovery Protocol (802.1ab) to allow recognition of third party network devices and LLDP MED for auto configuration Should have MAC address tracking and notification for mac address addition , delete or movement in the Network Should support policy based routing and switching Should have basic dynamic routing protocols like static routing, Default routing and RIP from day 1 and be upgradeable to OSPF, PIM. Should have Configurable multicast session limit per port Local authentication database for RADIUS Authentication for 802.1x login Should have MAC security – Lockdown & Limit and MAC address tracking with syslog & snmp notification Should have SSH-2, SCP, SFTP for secure management. Should have dynamic arp inspection, DHCP snooping, Private VLAN. Should have ASIC based traffic flow analysis based on Netflow/ sFlow/ Ipfix Should have minimum 1 K ACL entry support and Time Based ACL Should have scheduled archiving / uploading of configuration and system log to a central server Should support inbuilt DHCP server and Client for quick configuration of endpoints and switch Telnet server, ssh server, Ping and traceroute over Ipv6 Web, Console and CLI management Dual firmware and configuration rollback Inbuilt browser based bandwidth monitoring Should support Energy Efficient Ethernet 802.3az Model should have safety and standards certifications as below :EN 55022 Class A, CISPR 22.

Important Dates:

Sl.No	Description	Date	Time
1	Pre bid submission meeting- survey for installation. (Kindly send the confirmation mail to sysad@iitgoa.ac.in)	05-02-2019	10.30 AM To 12.00 AM
2	Bid submission last date	18-02-2019	05.30 PM
3	Bid opening date	19-02-2019	04.00 PM

*** All other items, and terms and conditions remain unchanged.

Sd/-
Coordinator, CITS