



Public Tender No: IITGOA/CITS/004

Date: 29/01/2019

**Corrigendum 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, the following specification for '24 port L3 switch' have been modified as follows:

Sl.No	Item Name	Specification
1	24 port L3 Switch	<ul style="list-style-type: none"> <li>• Switch should have minimum 96 Gbps or higher Switching bandwidth.</li> <li>• Switch should be equipped with minimum 1GB RAM, 2 GB Flash and Hot swappable redundant Fans and power supplies.</li> <li>• Switch should support IPv4 and IPv6 switching and routing in hardware from day 1.</li> <li>• Should support Software-Defined Networking (SDN) readiness architecture.</li> <li>• 0°C to 45°C operating temperature and 10% to 95% relative humidity.</li> <li>• Switch support minimum 24 100/1000BASE-X unpopulated SFP, 4x100/1000 BASE-T &amp; 4 x 10G SFP+ fibre ports.</li> <li>• Should support upgradeability to 40G QSFP+ uplink.</li> <li>• Switch should support stacking.</li> <li>• 802.1Q VLAN on all ports with support for 1k concurrent VLANs, and 802.1AK/VTP for dynamic VLAN propagation.</li> <li>• Support for minimum 32 K MAC addresses.</li> <li>• Support for MSTP, PVST+ / PVRST+.</li> <li>• Should support Private VLAN.</li> <li>• Must support Layer 2 Trace route for connectivity.</li> <li>• Should support snmp and syslog Notification for MAC addition, deletion and movement across ports.</li> <li>• Support for IP Unicast routing protocols (static, RIPv2) from day 1 and upgradeable to OSPF and BGP in future.</li> <li>• Should support policy based routing.</li> <li>• Should support Diffuser –RFC 2474, RFC 2475 RFC 2597 and RFC 2598.</li> <li>• Should support standard based protocols to dynamically reserve QOS and ensure lossless delivery of real-time Traffic.</li> <li>• Switch should support eight hardware queues per port.</li> <li>• Switch should be scalable to support minimum 3000 Hardware ACLs.</li> <li>• Should support VRF OR MPLS.</li> <li>• Support local and remote mirroring, multisession mirroring (minimum 4 session)</li> <li>• Should Support mechanism for detection of anomalous protocol behaviour and auto triggering of executable preventive action within the switch. Should support Protocol based anomaly detection. If required necessary, add on component for threat detection should be quoted.</li> <li>• Should support SSH-2, SCP and SFTP/TFTP.</li> <li>• Should support Serial RS232 port /Console Port, OOB Ethernet management port and USB or External Compact Flash slot.</li> <li>• Switch should support ASIC based Flow monitoring like SFLOW/Net flow/IPFIX.</li> <li>• Should be manageable by SSH, RMON, SNMP, and HTTP/s</li> <li>• The OEM should be present in Gartner Magic Leaders Quadrant. The OEM should have R&amp;D centre in India for min Last 5 Years. The OEM should have TAC centre in India with India Toll free number – reflected in Official website.</li> <li>• The switches should be NDPP or EAL3 certified.</li> <li>• Switch should be compliant to following certifications and Safety Regulation: NEBS, UL 60950, CISPR 22.</li> </ul>

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

Sd/-  
Coordinator, CITS