

Kurukshetra University, Kurukshetra, 136119

A+ Grade NAAC Accredited

Revised Tender Notice

On line bids are invited through E-tendering following item:

Procurement of Layer2 switch for Wi-Fi Internet Connectivity

(EMD Rs. 10000/-)

Expiry date and time: 17/01/2018 10:00 Hrs

Technical Bid Opening: 17/01/2018 12:00 Hrs

The tender form and conditions of tender to be fulfilled can be obtained from the website: <https://haryanaeprocurement.gov.in>.

Complete specifications of the item and other details can also be seen on website <http://www.kuk.ac.in>

Revised Complete Project details with scope of work

1.	24 Ports PoE Switch	Feature	Requirement
		Physical Specification	Should be rack mountable with 24-port 10/100/1000Mbps Ports.
			Should have 24 x 10/100/1000 Mbps PoE ports and 4 x SFP ports
			The switch should support minimum 4 SFP uplinks
			The switch should support 1X1G SFP module
			The switch should support a total of 28 ports
			The switch should support MTBF of 235000 Hrs or above
		General specification	The switch should support forwarding bandwidth of 56Gbps
			The switch should support full duplex switching bandwidth of 56Gbps
			The switch should support 64-Byte packet forwarding rate of 40 Mpps

			The switch should support dual core CPU
			The switch should have support 16 MB of flash memory
			The switch should have support 128 MB DDR3 RAM
			The switch should have support 4094 VLAN's
			The switch should support Jumbo frames of 9216 Bytes

			The switch should support maximum transmission unit (MTU) of 9198 bytes
			The switch should support 16000 unicast MAC addresses
			The Switch should support PoE on all 24 ethernet ports
			Switch should have a maximum 185W of PoE budget
			Switch support 100v to 220V 50/60Hz AC Supply
			Switch should support operating temp. of -5 to 50 °C (23 to 122 °F)
			Switch should support storage temp. of -20 to 70°C
			Supporting LED indicators for Link/activity/Speed.
			Switch Should supports Voice VLAN
			Switch should supports Surveillance VLAN
		Certification	Switch should have certification of CE Class A, VCCI Class A, FCC Class A,

			BSMI, C-Tick, cUL, CE(LVD), CCC
		L2 Features	<ul style="list-style-type: none"> ➤ Mac Address table of 16K entries ➤ IGMP Snooping IGMP v1/v2 ➤ Support 256 IGMP groups ➤ Supports at least 64 static multicast address ➤ IGMP per Vlan ➤ Supports IGMP snooping querier ➤ Loopback detection ➤ LLDP ➤ LLDP-MED ➤ Jumbo Frame Upto 9216 bytes ➤ Spanning Tree Protocol 802.1D STP ➤ 802.1W RSTP ➤ 802.1s MSTP ➤ 802.3x Flow Control ➤ HOL Blocking Prevention ➤ Port Mirroring
			1

		Access Control List	<ul style="list-style-type: none"> ➤ Switch should support upto 50 ACLs ACL should be based on 802.1p priority, VLAN, MAC Address, IP address,
		Security	<ul style="list-style-type: none"> ➤ Broadcast/Multicast/Unicast storm control ➤ DHCP server screening ➤ ARP inspection ➤ ARP+IP inspection ➤ Support for DHCP snooping ➤ SSH V2 ➤ Traffic Segregation ➤ Duplicate address Detection ➤ Support for 64 mac address per port <p>1</p> <ul style="list-style-type: none"> ➤
		AAA	<ul style="list-style-type: none"> ➤ 802.1x Authentication ➤ Supports local/radius database Support MD5 authentication
		Management	<ul style="list-style-type: none"> ➤ WEB-Based GUI ➤ CLI ➤ Telnet ➤ TFTP Client ➤ DHCP auto configuration ➤ System Logs ➤ Trusted Host ➤ Time Setting

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		Green Technology for power saving	<ul style="list-style-type: none"> ➤ ➤ Auto Port Shutoff ➤ System Hibernation Time Based PoE
		Dimensions	➤ The switch should be 1RU