

North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences
(An Autonomous Institute, Ministry of Health and Family Welfare, Government of India)
Director's Block, Mawdiangdiang, Shillong 793 018 (Meghalaya)

Tender Corrigendum No: NEIGR/S&P/01/01/2016 -2017

Dated: 02/01/2017

E -TENDER CORRIGENDUM

Reference Tender Notice No: NEIGR/S&P/01/12/2016-2017; dated: 13/12/2016, vide Tender Enquiry No: NEIGR/S&P/OT/E -66/2016-17 for Online Open Tender for processing of stores /items viz. Blade Server, Chassis, SAN Storage, HD Video Conferencing, UTM, HD LED Display Unit, and with other related accessories for Regional Resource Center (RRC), under Telemedicine project.

The following corrigendum /addendum are hereby being considered against the technical specification of the following stores /items:-

Point no: A-ii (Chassis):-

- Inbuilt iKVM and LCD console is required.

Point no: D (HD Video Conferencing):-

- Since 9 party Video Conferencing System with multiple licenses has been asked for, preference will be given to 1 + 8 VC.
- 2nd HD Camera is not needed immediately, but the device should support for future expansion.
- 6 mbps will be valid.

The Sentence "Multipoint capability to connect more than 1+5 video sites in Continuous presence, should have features of integration with web conferencing solutions"..... **may be treated as withdrawn /deleted**

Point no: F (Network Switch):-

- SFP should support both 1G and 10G fibre module.
- 370 watts will be ok for 24 port POE switch and 740 watts for 48 port POE switch.
- Fanless switch is not mandatory but it should be a noise less fan.
- LAN base or LAN lite Cisco IOS software features /Equivalent industry standard Networking OS will be allowed but it should fulfil the criteria as given below for 24 and 48 port switches.

24 Port Network Switch:

GENERAL	
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000 (PoE+) + 4 x Gigabit SFP
Power Over Ethernet (PoE)	PoE+
PoE Budget	370
Performance	Switching capacity: 216 Gbps Forwarding performance (64-byte packet size): 107.1 Mpps
Capacity	Virtual interfaces (VLANs): 1023
Jumbo Frame Support	9216 bytes
Max Units In A Stack	8
Authentication Method	Kerberos, RADIUS, Secure Shell (SSH), TACACS+
RAM	512 MB or above
Flash Memory	128 MB or above
Max Units In A Stack	8
Authentication Method	Kerberos, Secure Shell (SSH), RADIUS, TACACS+
Status Indicators	Port status, link activity, port transmission speed, port duplex mode, system, RPS (Redundant Power Supply), PoE
Jumbo Frame Support	9216 bytes
PoE Budget	370 W
POWER	
Nominal Voltage	AC 120/230 V
Frequency Required	50/60 Hz
Type	internal power supply
NETWORKING	
Form Factor	desktop, rack-mountable
Stackable	stackable
Max Units In A Stack	8
Features	Broadcast Storm Control, Port Security, Quality of Service (QoS), ARP support, Access Control List (ACL) support, IGMP snooping, IPv4 support, IPv6 support, Intrusion Detection System (IDS), Jumbo Frames support, Link Aggregation Control Protocol (LACP), MAC Address Notification, MLD snooping, Multicast VLAN Registration (MVR), Multiple Spanning Tree Protocol (MSTP) support, NetFlow, PoE+, Port Aggregation Protocol (PAgP) support, RADIUS support, Rapid Per-VLAN Spanning Tree Plus (PVRST+), Rapid Spanning Tree Protocol (RSTP) support, Remote Switch Port Analyzer (RSPAN), SSH support, Shaped Round Robin (SRR), Trivial File Transfer Protocol (TFTP) support, Uni-Directional Link Detection (UDLD), Unicast Reverse Path Forwarding (URPF), VLAN support, auto-negotiation, auto-uplink (auto MDI/MDI-X), layer 2 switching, power over Ethernet (PoE), Class of Service (CoS), DHCP support, Dynamic ARP Inspection (DAI), Dynamic Trunking Protocol (DTP) support, Energy Efficient Ethernet, Hot Standby Router Protocol (HSRP) support
Compliant Standards	IEEE 802.1AX, IEEE 802.1D, IEEE 802.3ab, IEEE 802.3ad (LACP), IEEE 802.3ae, IEEE 802.3af,

	IEEE 802.3at, IEEE 802.3az, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.1Q, IEEE 802.1ab (LLDP), IEEE 802.1ae, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3
Jumbo Frame Support	9216 bytes
Ports Qty	24
Manageable	Yes
PoE Budget	370
Remote Management Protocol	CLI, HTTP, TFTP, Telnet, RMON 1, RMON 2, RMON 3, RMON 9, SNMP 1, SNMP 2c, SNMP 3, SSH
Power Over Ethernet (PoE)	PoE+
POWER	
Features	Redundant Power System (RPS) connector
Power Redundancy	optional
MISCELLANEOUS	
Compliant Standards	AS/NZS 60950-1, BSMI CNS 13438 Class A, EN55022 Class A, EN55024, FCC CFR47 Part 15, ICES-003 Class A, IEC 60950-1 Second Edition, KN22 Class A, KN24, RoHS, UL 60950-1 Second Edition, VCCI Class A, CISPR 22 Class A, CISPR 24, CSA C22.2 No. 60950-1 Second Edition, Directive 2011/65/EU, EN 300386, EN 60950-1 Second Edition, EN 61000-3-2, EN 61000-3-3
EXPANSION SLOTS	
Type	Stacking Module slot
Total Qty	1
Free Qty	1
PORTS	
Type	10/100/1000 (PoE+)
Qty	24
PORTS (2ND)	
Type	Gigabit SFP
Qty	4
PERFORMANCE	
Type	forwarding performance (64-byte packet size), switching capacity
Value	107.1 Mpps, 216 Gbps

48 Port Network Switch:

GENERAL	
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+) + 4 x Gigabit SFP
Power Over Ethernet (PoE)	PoE+
PoE Budget	740
Performance	Switching capacity: 216 Gbps Forwarding performance (64-byte packet size): 107.1 Mpps
Capacity	Virtual interfaces (VLANs): 1023
Jumbo Frame Support	9216 bytes
Max Units In A Stack	8
Authentication Method	Kerberos, RADIUS, Secure Shell (SSH), TACACS+
	512 MB or above
Flash Memory	128 MB or above
Max Units In A Stack	8
Authentication Method	Kerberos, Secure Shell (SSH), RADIUS, TACACS+
Status Indicators	Port status, link activity, port transmission speed, port duplex mode, system, RPS (Redundant Power Supply), PoE
Jumbo Frame Support	9216 bytes
PoE Budget	740 W
POWER	
Nominal Voltage	AC 120/230 V
Frequency Required	50/60 Hz
Type	internal power supply
NETWORKING	
Form Factor	desktop, rack-mountable
Stackable	stackable
Max Units In A Stack	8
Features	Broadcast Storm Control, Port Security, Quality of Service (QoS), ARP support, Access Control List (ACL) support, IGMP snooping, IPv4 support, IPv6 support, Intrusion Detection System (IDS), Jumbo Frames support, Link Aggregation Control Protocol (LACP), MAC Address Notification, MLD snooping, Multicast VLAN Registration (MVR), Multiple Spanning Tree Protocol (MSTP) support, , NetFlow, PoE+, Port Aggregation Protocol (PAgP) support, RADIUS support, Rapid Per-VLAN Spanning Tree Plus (PVRST+), Rapid Spanning Tree Protocol (RSTP) support, Remote Switch Port Analyzer (RSPAN), SSH support, Shaped Round Robin (SRR), Trivial File Transfer Protocol (TFTP) support, Uni-Directional Link Detection (UDLD), Unicast Reverse Path Forwarding (URPF), VLAN support, auto-negotiation, auto-uplink (auto MDI/MDI-X), layer 2 switching, power over Ethernet (PoE), Class of Service (CoS), DHCP support, Dynamic ARP Inspection (DAI), Dynamic Trunking Protocol (DTP) support, Energy Efficient Ethernet, Hot Standby Router Protocol (HSRP) support
Compliant Standards	IEEE 802.1AX, IEEE 802.1D, IEEE 802.3ab, IEEE 802.3ad (LACP), IEEE 802.3ae, IEEE 802.3af, IEEE 802.3at, IEEE 802.3az, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.1Q, IEEE 802.1ab (LLDP), IEEE 802.1ae, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3
Jumbo Frame Support	9216 bytes
Ports Qty	48

Manageable	Yes
PoE Budget	740
Remote Management Protocol	CLI, HTTP, TFTP, Telnet, RMON 1, RMON 2, RMON 3, RMON 9, SNMP 1, SNMP 2c, SNMP 3, SSH
Power Over Ethernet (PoE)	PoE+
POWER	
Features	Redundant Power System (RPS) connector
Power Redundancy	optional
MISCELLANEOUS	
Compliant Standards	AS/NZS 60950-1, BSMI CNS 13438 Class A, EN55022 Class A, EN55024, FCC CFR47 Part 15, ICES-003 Class A, IEC 60950-1 Second Edition, KN22 Class A, KN24, RoHS, UL 60950-1 Second Edition, VCCI Class A, CISPR 22 Class A, CISPR 24, CSA C22.2 No. 60950-1 Second Edition, Directive 2011/65/EU, EN 300386, EN 60950-1 Second Edition, EN 61000-3-2, EN 61000-3-3
EXPANSION SLOTS	
Type	Stacking Module slot
Total Qty	1
Free Qty	1
PORTS	
Type	10/100/1000 (PoE+)
Qty	48
PORTS (2ND)	
Type	Gigabit SFP
Qty	4
PERFORMANCE	
Type	forwarding performance (64-byte packet size), switching capacity
Value	107.1 Mpps, 216 Gbps

Point no: G (UTM) may be read as:-

- Hardware Accelerated 10 GE SFP+ Slots 2
- Hardware Accelerated GE SFP Slots 8
- Hardware Accelerated GE RJ45 Ports 20
- Accelerated GE RJ45 Bypass Interfaces 4
- GE RJ45 Management / HA Ports 2
- USB Ports (Client / Server) 1 / 2
- Console Port 1
- Onboard Storage 240 GB
- Included Transceivers 2x SFP (SX 1 GE)
- IPv4 Firewall Throughput (1518 / 512 / 64 byte, UDP) 36 / 36 / 22 Gbps
- IPv6 Firewall Throughput (1518 / 512 / 86 byte, UDP) 36 / 36 / 22 Gbps
- Firewall Latency (64 byte, UDP) 3 µs
- Firewall Throughput (Packet per Second) 33 Mpps
- Concurrent Sessions (TCP) 5 Million
- New Sessions/Second (TCP) 280,000
- Firewall Policies 10,000
- IPsec VPN Throughput (512 byte) 20 Gbps
- Gateway-to-Gateway IPsec VPN Tunnels 2,000
- Client-to-Gateway IPsec VPN Tunnels 10,000
- SSL-VPN Throughput 2.2 Gbps
- Concurrent SSL-VPN Users (Recommended Maximum) 5,000
- **IPS Throughput (HTTP / Enterprise Mix) 8 / 4.2 Gbps**
- **SSL Inspection Throughput 4 Gbps**
- **Application Control Throughput 6 Gbps**
- **NGFW Throughput 3.5 Gbps**
- **Threat Protection Throughput 2.4 Gbps**
- **CAPWAP Throughput 5.5 Gbps**

Virtual Domains (Default / Maximum) 10 / 10

All other terms and conditions remains the same

For further details regarding amendment, addendum, extension and downloading of documents, please visit website: www.eprocure.gov.in /www.neigrihms.gov.in; Tel/Fax: 0364-2538032; E-mail: storeneigrihms@gmail.com.

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