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Ref:- MNLUA/ADMN/2023/356

Dt:- 03/06/2023

Maharashtra National Law University,
Aurangabad

NIT No.: MNLUA/Admin/NIT/2023/02

CORRIGENDUM

Date: 03.06.2023

Due to changes in Technical specifications suggested by our technical expert team, the tender submission date is extended as per following table:

Tender Reference Number	MNLUA/ARC22-23/OFC
Due Date & Time/Submission End Date	09 /06/2023 17:00pm
Tender Opening Date (Technical Bid)	12/06/2023 11.00 am
Name, Address & Contact No. of Tenderer	The Registrar, Maharashtra National Law University, PaithanRoad, Kanchanwadi campus, Aurangabad - 431005
Tender Fee	₹. 17,000 /- (Non-Refundable)
EMD	₹. 5,25,000/-
Website	www.mahatenders.gov.in

All the bidders may note the revised technical specifications are as follows:-

A) PROJECT SCOPE

Sr. No.	ITEM DESCRIPTION	Qty	Amount
1]	Layer3 Core Switch - 24 1/10G Copper + 24 1/10G SFP+ Ports, 960Gbps Throughput, Stackable Managed Layer3 Switch (Preferred Make : Cisco /Juniper / Netgear) Technical Specifications	01	
	1.1) Physical Interfaces		
	24 # 1/10G Base-T Copper Ports (Dedicated)		
	24 # 1/10G Base-X Fiber SFP Ports (Dedicated)		
	Ethernet: Out-of-band 1G port (Front)		
	Console: RJ45 RS232 (Front)		
	Console: Mini-USB (Front)		
	Storage: USB (Front)		
	Full-width 1-unit 1U rack mount		
	2 PSUs in RPS mode		
	1.2)CPU/ Memory		
	CPU: 800 MHz		
	RAM: 1 GB		
	Packet buffer memory: 56 MB		
	Flash: 256 MB		

1.3)Performance	Stack height: 8 switches
	Mixed Stacking on 10G & 1G models
	Non-Stop Forwarding Failover
	Switching fabric: 960 Gbps Line-Rate (non blocking fabric)
	Throughput: 714 Mpps
	Forwarding mode: Store-and-forward
	Address database size: 128K MAC addresses (48-bit MAC address)
	Number of VLANs: 4,093 (IEEE 802.1Q) simultaneously
	Number of multicast groups= 2K IPv4
	Number of multicast groups= 2K IPv6
	ARP/NDP= 8K
	Number of LAGs (802.3ad): 128 LAGs with up to 8 ports per group
	Number of hardware queues for QoS: 8 (Standalone)
	Number of routes: 12K IPv4 Unicast routes
	Number of routes: 4K IPv6 Unicast routes
	Jumbo frame support: up to 9KB packet size
	Mean time between failures (MTBF): 133,000 hours or more
	sFlow=416 samplers, 416 pollers, 8 receivers
1.4) L2 Services	Protocol based VLAN
	IP Subnet
	IPX
	ARP
	Subnet based VLAN
	MAC based VLAN
	Voice VLAN
	Private Edge VLAN
	Private VLAN
	Guest VLAN
	Double VLAN Tagging (QoQ)
	GARP with GVRP/GMRP
	MVR (Multicast VLAN Registration)
	Multiple Registration Protocol (MRP)
	Multicast VLAN Registration Protocol (MVRP)
	LAG Hashing
	LAG Member Port Flaps Tracking
	UDLD support
	Distributed Link Aggregation
	Storm Control
	Link Dependency
	Spanning Tree Protocol
	Per VLAN STP (PVSTP) with Fast Uplink and Fast Backbone
Per VLAN Rapid STP (PVRSTP)	

	STP Loop Guard STP Root Guard BPDU Guard STP BPDU Filtering STP BPDU Flooding IGMP v2/v3 Snooping support MLD v1/v2 Snooping support Expedited Leave Function Static L2 Multicast Filtering MLDv1/2 Snooping Support IGMPv2/3 Snooping Support	
1.5) L3 Services	IGMP Proxy Policy based routing MLD Proxy Any Source Multicast (ASM) Source Specific Multicast (SSM) Multicast streams routing between subnets, VLANs Multicast Static Routes (IPv4, IPv6) DVMRP Neighbor discovery (IPv4, IPv6) PIM-DM (IPv4, IPv6) PIM-SM (IPv4, IPv6) PIM multi-hop RP support IPMC replication (hardware support) DHCP Client (IPv4, IPv6) DHCP Server (IPv4, IPv6) DHCP Snooping (IPv4, IPv6) DHCP/ BootP Relay (IPv4, IPv6) DHCP options 66, 67, 150, and 55, 125 Static Routing (IPv4, IPv6) Port based Routing ECMP Static Routing Port Based Routing VLAN Routing RIP v1 and v2 OSPF v2 and v3 OSPF Flood Blocking Route Redistribution VRRP VRRP Route/Interface Tracking Loopback Interfaces Tunnel interfaces	
	Router Discovery IP Helper IP Source Guard IP Event Dampening ECMP Proxy ARP Multinet ting ICMP v4 and v6 IPv4/IPv6 DNS v4 and v6 IPv6 Routing	

	Configured v6-over-v4 tunnels
	Automatic (6to4) tunnels
1.6) QoS	IEEE 802.1p CoS
	DiffServQoS
	WRED (Weighted Deficit Round Robin)
	Single Rate Policing
	Strict Priority queue technology
	Auto-VoIP
	iSCSI Flow Acceleration
	IP DSCP
	IP Precedence
	IP TOS
	L3 IPv6 Flow Label
	Interface Traffic Shaping
	PHB Support
	Minimum Bandwidth per-interface
1.7) Security	Broadcast, Multicast and Unicast Network Storm Protection
	CPU Protection
	DoS attack protection
	ICMP throttling
	Management ACL
	Radius accounting
	TACACS+
	L2/L3/L4 Access Control List (ACL)
	MAC, IPv4, IPv6, TCP, UDP ACL
	Protocol based ACL
	ACL over VLAN
	Dynamic ACL
	IEEE 802.1x Radius Port Access Authentication
	802.1x MAC Address Authentication Bypass (MAB)
	Port Security
	Dynamic ARP Inspection
	MAC Filtering
	Port MAC Locking
1.8) IEEE Network Protocols	IEEE 802.3 10Base-T
	IEEE 802.3 Ethernet
	IEEE 802.3i 10BASE-T
	IEEE 802.3u 100BASE-T
	IEEE 802.3ab 1000BASE-T
	IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX
	IEEE 802.3ae 10-Gigabit Ethernet
	IEEE 802.3ad Trunking (LACP)
	IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED)
	IEEE 802.1D Spanning Tree (STP)
	IEEE 802.1s Multiple Spanning Tree (MSTP)
	IEEE 802.1w Rapid Spanning Tree

	(RSTP)
	IEEE 802.1p Quality of Service
	IEEE 802.1Q VLAN tagging
	IEEE 802.1v protocol-based VLAN
	IEEE 802.1X Radius Network Access Control
	IEEE 802.3x flow control
	GMRP — Dynamic L2 multicast registration
	GVRP — Dynamic VLAN registration
	GARP -Generic Attribute Registration Protocol
1.9) Management	ISDP (Industry Standard Discovery Protocol)
	Out of band Management
	802.1ab LLDP and LLDP-MED
	SNMP v1, v2 and v3
	RMON 1, 2, 3, 9
	sFlow
	Command Line Interface (CLI)
	Web-based graphical user interface (GUI)
	Admin access control via Radius and TACACS+
	Telnet
	Dual Software (Firmware) images
	Dual Configurations file (Text-based)
	Radius accounting
	Malicious Code Detection
	SNTP
	XMODEM
	Port Mirroring
	Cable Test Utility
	SSH v1/v2
	SSL/HTTPS and TLS v1.0 for web-based access
	File Transfer (uploads, downloads) through TFTP/HTTP
	SCP/ SFTP/ HTTPS
	Syslog
	Non disruptive Config Management
	Remote Port Mirroring (RSPAN)
	Persistent log supported
1.10) Network Traffic	Access Control Lists (ACLs) L2 / L3 / L4
	Time-based ACLs
	ACL over VLANs
	IPv6 RA Guard Stateless Mode
	Network Authentication Successive Tiering
	802.1x MAC Address Authentication Bypass (MAB)
1.11) LED	Per port: Speed, link, activity

	Power, Fan, Stack Master, Stack ID Cooling front to back
1.12) Environmental	Operating Temperature: 32° to 122°F (0° to 50°C)
	Operating Humidity: 90% maximum relative humidity, non-condensing
	Storage Temperature: - 4° to 158°F (-20° to 70°C)
	Storage Humidity: 95% maximum relative humidity, non-condensing
1.13) Certifications	CE mark, commercial
	FCC Part 15 Class A, VCCI Class A
	Class A EN 55022 (CISPR 22) Class A
	Class A C-Tick
	EN 50082-1
	EN 55024
	CSA certified (CSA 22.2 #950)
	UL listed (UL 1950)/cUL IEC 950/EN 60950
1.14) Warranty	True Lifetime Hardware replacement warranty
	Lifetime free latest firmware support
	Replacement with New Product Only No refurbished Products.

2]

L3- Network Switch 24-Port 1/10G SFP+ Managed Switch with 480Gbps Throughput (Preferred Make : Cisco /Juniper /Netgear)

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Technical Specifications : 24-Port 1/10G SFP+ Managed Switch with 480Gbps Throughput

3]

L2- NETWORK Switch (Preferred Make : Cisco/ Juniper /Netgear)

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Technical Specifications :(24-port 10/100/1000 Base-T Gigabit PoE+ Managed Switch)

3.1) Physical Specifications	24 # 10/100/1000 Base-T auto-sensing PoE+ ports 2 dedicated 100/1000 Base-X Fiber SFP ports
3.2) Performance Specification	CPU: 800MHz single core, 512MB DDR RAM, 2MB SPI NOR, 128MB FLASH Bandwidth: 52 Gbps non-blocking Mean Time Between Failures (MTBF): 1,328,429 hrs (152 yrs) Heat Dissipation (worst case, all ports used, full PoE, line-rate traffic) (BTU/hr):- Max: 784.88 BTU/hr Forwarding modes: Store-and-forward 4 Priority queues Weighted Round Robin (WRR) and Strict Priority MAC Address database size: 16,000 media access control (MAC) addresses

	VLAN: 64 512 Multicast groups Number of DHCP snooping bindings: 8K Access Control Lists (ACLs): 100 shared for MAC (ingress) Packet forwarding rate (64 byte packet size) (Mpps) : 38.6 Jumbo frame support: Up to 9K packet size Packet buffer memory (Dynamically shared across only used ports): 0.5 MB 1G Copper Latency (64-byte packets): 3.734µs 1G Fiber Latency (64-byte packets): 2.896µs Max power (worst case, all ports used, full PoE, line-rate traffic) (Watts): 229.9W PoE budget: 190W		
3.3) IEEE Network Protocols	IEEE 802.3 Ethernet IEEE 802.3u 100BASE-T IEEE 802.1Q VLAN Tagging IEEE 802.3ab 1000BASE-T IEEE 802.3af PoE IEEE 802.3at PoE+ IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE 802.3ad Trunking (LACP) IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX IEEE 802.3x Full-Duplex Flow Control IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED) IEEE 802.1p Class of Service IEEE 802.1D Spanning Tree (STP) IEEE 802.1s Multiple Spanning Tree (MSTP) IEEE 802.1w Rapid Spanning Tree (RSTP) IEEE 802.1X Radius network access control		
3.4) Network Security and Traffic	IEEE 802.1x Guest VLAN RADIUS-based VLAN assignment via .1x RADIUS accounting Network Storm Protection DoS attacks prevention Broadcast, Unicast, Multicast Protection Access Control Lists (ACLs) L2 / L3 / L4 IP-based ACLs (IPv4) MAC-based ACL TCP/UDP-based ACL MAC lockdown MAC lockdown by the number of MACs IEEE 802.1x Radius Port Access Authentication Control MAC # Static entries: 48		
3.5) L2 Services	IEEE 802.1Q VLAN Tagging Video VLAN Voice VLAN IEEE 802.3ad - LAGs - LACP (8 LAGS with max. of 8 members in each LAG) Broadcast Storm Control IGMP Snooping (v1, v2 and v3) IGMP Snooping queriers		
3.6) Network	802.1ab LLDP SNMP V1, V2, V3		

Monitoring and Discovery Services	RMON 1,2,3,9
3.7) Quality of Service (QoS)	Port-based rate limiting: Egress Port-based QoS DiffServQoS IEEE 802.1p COS IPv4 DSCP IPv4 ToS
3.8) Management	Password management Configurable Management VLAN Admin access control via Radius and TACACS+ Web-based graphical user interface (GUI) Dual Software (firmware) image SNTP client over UDP port 123 SNMP v1/v2 SNMP v3 with multiple IP addresses RMON 1,2,3,9 Port Mirroring Many to One Port Mirroring Cable Test utility SSL/HTTPS and TLS v1.2 for web-based access TFTP/HTTP File transfers (uploads, downloads) HTTP Download (firmware) Syslog (RFC 3164)
3.9) LEDs	Per port: Speed, Link, Activity Per device: Power, Fan, PoE Max
3.10) Environmental Conditions	Operating Temperature: 0° to 45° C (32° to 113° F) Operating Humidity: 95% maximum relative humidity, non-condensing Storage Temperature: - 4° to 158°F (-20° to 70°C) Storage Humidity: 95% maximum relative humidity, non-condensing Operating Altitude : 10,000ft (3,000m) maximum
3.11) Certifications	CE mark, commercial FCC Part 15 Class A, VCCI Class A Class A EN 55022 (CISPR 22) Class A Class A C-Tick EN 50082-1 47 CFR FCC Part 15, SubpartB, Class A CCC
3.12) Safety	UL listed (UL 1950)/cUL IEC 950/EN 60950 CB report / certificate IEC 60950-1:2005 (ed.2)+A1:2009+A2:2013 CE LVD: EN 60950-1: 2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 BSMI: CNS 14336-1
3.13) Warranty and Support	5 Years hardware replacement warranty Replacement with New Product Only No refurbished Products.

4)

Single Mode 1G SFP MODULE

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Technical Specifications	
4.1) SFP Module	1000Base-LX Fiber SFP
	LC duplex connector
	1310 nm, for distances up to 10 km
	Single Mode Fiber
	ROHS Compliant
	Compliant with SFP Transceiver MSA specification
	Compliant with Specifications for IEEE 802.3z/Gigabit Ethernet
	Compliant with Industry Standard RFT Electrical Connector and Cage
	Single + 3.3V Power Supply and TTL Logic Interface
	EEPROM with Serial ID Functionality
	Laser Class 1 Product which comply with the requirements of IEC 60825-1 and IEC 60825-2
4.2) Warranty and Support	5 Years Hardware Replacement Warranty Replacement with New Product Only No refurbished Products.

5)

Single Mode 10G SFP+ Module

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Technical Specifications	
5.1) SFP+ Module	10GBase-LR Fiber SFP+
	LC duplex connector
	1310nm Wavelength
	2m - 10km for 9/125 um SMF
	Single Mode Fiber
	ROHS Compliant
	Compliant with SFP+ Transceiver MSA specification
	Compliant with Specifications for IEEE 802.3ae 10-Gigabit Ethernet Over Fiber
	Compliant with Industry Standard RFT Electrical Connector and Cage
	Operating Temperature 32 -158° F (0 - 70°C)
	MTBF 4,986,536 hr (569 years)
	Power Consumption <1.5w
	UL 1950 CSA 22.2 No. 950
5.2) Warranty and Support	5 Years Hardware replacement warranty Replacement with New Product Only. No refurbished Products.

6)

**Dual Band WiFi Access Point (Preferred Make : Cisco/
Juniper /Netgear)**

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Technical Specifications (2 x 2 Dual Band Wireless-AX Wave2 Access Point)	
6.1) Physical Interfaces	One 100/1000/2.5GBASE-T Gigabit Ethernet (RJ-45) ports with Auto Uplink (Auto MDI-X) supporting IEEE 802.3af or 802.3at Power over Ethernet (PoE)
	Two (2) Internal 2.9/2.8dBi (2.4GHz/5GHz) antenna
	Four (4) LED: Power and Cloud connection; LAN speed; 2.4GHz status; 5.0GHz status
	Power adapter (not included): 12V DC, 2.5A
6.2) Standards	5.0GHz: 802.11a/n/ac/ax; 2.4GHz: 802.11b/g/n/ax
	IEEE 802.11ax WIFI 6 standard
	WMM - Wireless Multimedia Prioritization
	WDS- Wireless Distribution System
	Power over Ethernet (PoE) IEEE 802.3af/802.3at
6.3) Security	Wi-Fi Protected Access (WPA, WPA2, WPA3), 802.11i
	WPA2 Enterprise
	Wireless access control to identify authorized wireless network devices
	MAC address filtering with access control
	802.1x RADIUS support with EAP TLS, TTLS, PEAP
	Neighbor AP detection
	VLAN Support
	Secure Socket Layer (SSL)
	Guest Network/Captive Portal
	Bandwidth management
Link Layer Discovery Protocol	
6.4) Network Management	Cloud based App Management for setup, monitoring and management from anywhere anytime (Remote configuration and management)
	Easy-to-use Web browser-based management GUI
6.5) Manageability	As standalone
	Centralized Management through Mobile Application
6.6) Advanced Wireless Features	Wireless Distribution System (WDS)
	Bridge mode: Point-to-point wireless WDS mode
	Bridge mode: Point-to-multipoint wireless WDS mode
	Repeater mode
	Adjustable Transmit Power Control (TPC)
	Wireless backhaul to form Mesh Network
	Device detection
	Identify type of wireless clients in the network

6.7) Other Specifications	PoE power consumption: 21.2W
	Business class WiFi based on next generation 802.11ax WiFi 6 technology on both 5.0GHz and 2.4GHz bands. Backward compatible to 802.11b/g/n/a/ac
	Dual band 2x2 (2.4GHz and 5.0GHz) 4 streams of data for an aggregate throughput of up to 3Gbps
	Theoretical Throughput per Band: 5.0GHz: 2400Mbps, 2.4GHz: 600Mbps
	Orthogonal Frequency Division Multiple Access (OFDMA)
	Multi-Gigabit Support
	Target Wake Time (TWT)
	Basic Service Set Coloring (BSS Coloring)
	Bandsteering
	Block SSID Broadcast
	Ceiling mounting / Wall mounting Bidir and MU-MIMO support
6.8) Warranty and Support	5 Years Hardware Replacement Warranty
	5 Years Centralized Management license must be included
	5 Years free latest firmware support
	Replacement with New Product Only. NoRefurbished Products.

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7]

Firewall (Preferred make: Checkpoint / Fortinet / Cisco/Sophos).

01

Feature set	
7.1)	General Requirement
7.1.1)	Must have a 64-bit hardware platform & based on Multi-Core Architecture with Optimization for excellent throughput for all your key processes
7.1.2)	The Proposed solution should have option for visibility into encrypted traffic flows, support for TLS 1.3 without downgrading the performance.
7.1.3)	The device should be having security functions like Firewall, VPN (IPsec Site to Site &SSL Client VPN), Gateway level antivirus, Category based web and application filtering, Intrusion prevention system, Traffic shaping, DoS/DDoS, WAF, Anti-Spam.
7.1.4)	Solution should offer with Central management solution with option to manage multiple firewalls from day one.
7.1.5)	Solution should support Multiple WAN link balancing multiple Internet connections, auto-link health check, automatic failover, automatic and weighted balancing, and granular multipath rules, should support more than two ISP
7.2)	Hardware & Performance Requirement
7.2.1)	The appliance should support 8 x GbE copper ports, 2 X SFP fiber ports from day one and should support 4 x 10GE SFP+ fiber ports for future extension.
7.2.2)	Appliance should have external redundant PSU option
7.2.3)	Should support SSD storage of min 1 x 120 Gb SATA-III


7.2.4)	Firewall must support at least 6.5 million concurrent connections
7.2.5)	Firewall must support at least 1,48,000 new sessions per second processing.
7.2.6)	Firewall should support up to 20 Gbps of Firewall IMIX throughput.
7.2.7)	Firewall should support integrated IPS throughputs of minimum 7 Gbps.
7.2.8)	Firewall should have a minimum Firewall throughput of 35 Gbps.
7.2.9)	Firewall should have a minimum Threat Protection throughput 1.4 Gbps.
7.2.10)	Firewall should have a minimum NGFW throughput of 6.3 Gbps.
7.3)	General Features
7.3.1)	Firewall must provide filtering capability that includes parameters like source addresses, destination addresses, source and destination port numbers, protocol type
7.3.2)	Firewall should be able to filter traffic even if the packets are fragmented.
7.3.3)	All known internet-based applications should be supported for filtering; like Telnet, FTP, SMTP, HTTP, DNS, ICMP, DHCP, ARP, etc.
7.3.4)	Firewall should support SSL inspection over HTTPS
7.3.5)	Firewall should support CLI and GUI based access to the firewall modules.
7.3.6)	Firewall should have application-based and user-based logs.
7.3.7)	Should support Local authentication and integration with third party authentication solutions like, Active Directory, LDAP Server, RADIUS, TACACS+, eDirectory and Kerberos
7.4)	Security
7.4.1)	Protects HTTP, HTTPS, FTP, POP3, POP3S, IMAP, IMAPS, SMTPS and SMTP.
7.4.2)	Pattern-based spyware blocking at the gateway.
7.4.3)	Centralized, daily updates, automatic and manual updates or offline update.
7.4.4)	Advance Threat Protection should have Instant identification and immediate
7.4.5)	response to today's most sophisticated attacks. Multi-layered protection identifies threats instantly
7.4.6)	Should support Sandboxing Inspects executables and documents containing executable content like - Windows executables (including .exe, .com, and .dll) - Word documents (including .doc, .docx, docm and .rtf) - PDF documents - Archives containing any of the file types listed above (ZIP, BZIP, GZIP, RAR, TAR, LHA/LZH, 7Z, Microsoft Cabinet)
7.4.7)	The proposed solution should have an option to enable features like Web Application Firewall and Email Protection if needed in future
7.5)	Web Filtering
7.5.1	Firewall should support minimum of at least 70+ predefined categories.
7.5.2	Should have flexibility to create network, user, Web and app-based traffic shaping (QoS) policy.
7.5.3	Blacklist and White listing based on IPs and URLs.
7.5.4	Exceptions based on network objects defined.
7.5.5	Notification of custom messages or URL redirection.

7.6)	Intrusion Prevention System
7.6.1)	IPS should protect for 5000+ Signatures database.
7.6.2)	Firewall should block attacks such as DoS- SYN, IP/ICMP/TCP/UDP related attacks.
7.6.3)	Solution should have IPS deep packet inspection engine with an option to select
7.6.4)	IPS patterns which can be applied firewall rule for better protection and should have option to create custom signature
7.6.5)	Firewall should block attacks such as DNS cache poisoning, FTP bounce, improper commands.
7.7)	Application Control
7.7.1)	Firewall should have feature to identify, allow, block or limit usage of applications beyond ports and protocols.
7.7.2)	Firewall should provide protection against Block potentially unwanted Applications
7.7.3)	Application signature database of 25000+ Applications for Application Control
7.8)	API Support
7.8.1)	The solution Should support API for 3rd party integration
7.8.2)	The API has option to add, update, or delete configurations.
7.8.3)	The API should have option to add or update policies for IPS, Web filter, Application filter
7.8.4)	The solution API should have option to Manage physical interfaces and view Port wise Network and Zone details
7.8.5)	The Solution API should have option to update Gateway details. routes traffic between networks.
7.8.6)	The Solution API should have option to add or delete route
7.9)	Logging & Reporting
7.9.1)	Firewall logs must contain information about the firewall policy rule that triggered the log
7.9.2)	Firewall must provide at a minimum basic statistic about the health of the firewall and the amount of traffic traversing the firewall.
7.9.3)	Firewall should have support to log (in detail) all connections which are blocked or pass through the firewall.
7.9.4)	Firewall should have support to generate performance statistics on real-time basis.
7.9.5)	Firewall should have the capability to produce reports which measure usage.
7.9.6)	Should Support 1000+ drilled down reports on the appliance
7.9.7)	The solution should support User Threat Quotient to identify risky users based on recent browsing behaviour and ATP triggers
7.10)	OEM Criteria
7.10.1)	Proposed solution should have presence in Gartner's Magic Quadrant for Network Firewalls in latest reports
7.10.2)	Should have ISO 9001:2015 or above certificate
7.10.3)	Firewall operating system family should be EAL4+ certified from Common Criteria or under Indian Common Criteria Certification Scheme
7.10.4)	Should have IPv6 Ready Logo/certified (Please submit proof in BID)

8]	7.11)	3 Year Lic.	01
	<u>7.11.1</u>	Three Year Subscription license for Firewall, Advanced Threat Protection (ATP), Intrusion Prevention System (IPS), Zero-Day Protection, Anti-malware, Web and App visibility control, and protection, 24x7 support, security and software updates. License period will be counted after activation.	
	Passive Components		
	8.1) Technical Specifications:	Single Mode OFC LC-SC Patch cords 3 Mtr	220
8.2)	<u>Firewall, Layer3 & Layer2 PoE Switches and Access Points installation and Configurations charges</u>	01	

Note:-

- 1) It will be supplier's responsibility to integrate with our existing network. The management of all Access Points & Switches (existing & new) should be from single console.
- 2) MNLUA reserved all right to select / reject the product / equipment.
- 3) University shall seek an assistance of an IT Expert to scrutinize the bidders.
- 4) Mere L1 is not sufficient to claim the tender. The IT Expert report on overall parameters especially systems integration over the existing network of the University should be taken into consideration while finalizing.


Registrar
Maharashtra National Law University
Aurangabad - 431 005