Dr.AMBEDKAR INSTITUTE OF TECHNOLOGY

BDA Outer Ring Road, Mallathahally, Bengaluru – 560 056
Tel – 080- 23211232 & Mob No -9986003865

AIT/SS/886/2024-25   Date: 02.09.2024

SHORT- TERM TENDER NOTIFICATION

Sealed quotations are invited from Reputed/Authorized firms for supply & Installation of Firewall UTM appliance to support **1500 concurrent** users license for 1 year, 2 year and 3 years term to Dr. AIT Campus. Details and specification of requirements can be downloaded from college website **www.drait.edu.in.** The sealed quotation shall be attached with a DD of **Rs.500/-** and submit the sealed quotations on or before **20.09.2024 by 1.00 PM.** Quotations will be opened on the same day i.e. **20.09.2024 at 4.00 PM.**

Sd/- Principal   Sd/- Secretary, PVPWT

TENDER FORM

Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY

(An Autonomous Institution, Aided by Govt. of Karnataka, Affiliated to VTU & Approved by AICTE,New Delhi)

BDA Outer Ring Road, , Mallathalli, Bengaluru – 560 056

Country Code (91) + STD Code 080, Tel – 23211232, MOB NO -9986003865

Website: www.drait.edu.in e-mail: principal@drait.edu.in

AIT/ SS / 886 / 2024-25   Date 03.09.2024

To,

M/s. _____

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SUB: Inviting quotations for Supply & Installation of Firewall UTM appliance to support 1500 concurrent users license to Dr AIT Campus - Reg.

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1. You are invited to submit your most competitive price for Supply & Installation of Firewall UTM appliance to support 1500 concurrent users license to Dr AIT Campus with the following description.

Sl.#	SPECIFICATIONS	Qty.	Rate Rs.	Amount Rs.
01	Supply & Installation of Firewall UTM appliance to support 1500 concurrent users license for 1 year,2 year and 3 years term to Dr AIT Campus	1500		

NOTE: Detail Descriptions/Specifications is herewith enclosed.

2. Bid Price

   a) The quotation shall be for the full quantity as described above. Corrections if any, should be made by striking off and rewriting with new price, duly attested with date.

   b) All duties, taxes and other levies (how separately) payable by the supplier shall be ncluded in the total price of the tender amount.

   c) The rates quoted by the bidder shall be fixed for the product. Escalation clause is not allowed.

   d) The prices should be quoted in Indian Rupees only.

3. Each bidder shall submit only one quotation.

4. Validity of Quotation: The validity of the quotation should be mentioned in the Tender which is not be less than 90 days.

5. No Advance payment.

6. **Evaluation of Quotations**

The purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which are :

a) properly signed (b) confirm to the terms and conditions, and (c) specifications.

7. **Award of Contract**

The purchase order will be placed with the supplier whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

P.T.O.

8. The bidder whose bid is accepted will be notified of the award of contract by the purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

9. Payment shall be made after delivery , satisfactory installation and training as per our specification.

10. You can obtain tender form from the Store section by paying Rs.500/- in DD **OR** can download from the website of the Institution www.drait.edu.in and should be accompanied with a DD for Rs.500/- as tender document fees. DD should be in favor of Principal Dr.AIT, Bangalore.**56**

11. **You are requested to provide your offer latest by 1.00 pm on 20.09.2024 along with a bank draft at 2% of the bidding amount quoted for 3 years term or tender price(Including taxes) on the total amount in favour of "The Principal Dr.AIT Bangalore ",as EMD Quotations that do not accompany EMD are liable to be rejected. If lower bidders fails to supply as per the quotation the EMD will be forfeited.**

12. **Quotations will be opened on 20.09.2024 at 4.00 pm in the Principal's chamber.**

13. **Sealed quotations shall be addressed to the purchaser at the following address: The Principal, Dr. Ambedkar Institute of Technology, Stores Section, Mallathahalli, Bangalore – 560 056. with super scribing "Quotation for Supply & Installation of Firewall UTM appliance to support 1500 concurrent users license to Dr.AIT".**

14. **Insurance:**
The goods supplied under the contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.

15. **The Guarantee & warranty period must be specified clearly.**
16. **The bidder shall provide the copy of the following.**
    i) Previous year I.T Filed copy. ii) GST registration copy. iii) Pan card copy.
    IV) Venders list of the previous supply & at least two performance certificates from the Venders.
    V) Preceding two years Audit report & proof for executing large orders not less than Rs.5 Lakhs.
    VI) The Dealers should provide a copy of Dealership certificate.

17. Bidders should qualify Eligibility Criteria as mentioned in the specification.

18. Notwithstanding the above, the purchaser reserves the right to accept or reject any of the quotations / to cancel the bidding process and reject all quotations without assigning any reasons at any time prior to the award of the purchase/ supply order.

19. We look forward to receiving your quotations and thank you for your interest in this procurement.

PRINCIPAL
Dr. Ambedkar Institute of Technology
Bengaluru-560 056
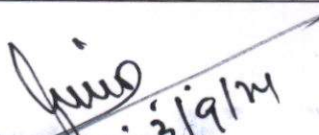
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Dr.AMBEDKAR INSTITUTE OF TECHNOLOGY,BANGALORE-56

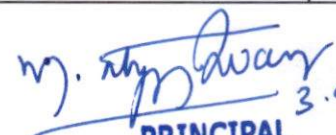| Sr No	Specification for Firewall UTM appliance	Compliance(Yes/No)
1	**General Requirement**	
1.1	Must have a 64-bit hardware platform & based on Multi-Core Architecture with Optimization for excellent throughput for all your key processes.	
1.2	The Proposed solution should have option for visibility into encrypted traffic flows, support for TLS (Transport Layer Security)1.3 without downgrading the performance.	
1.3	The device should be having security functions like Firewall, VPN (IPsec Site to Site & SSL (Secure Sockets Layer) Client VPN(Virtual private Network), Gateway level antivirus, Category-based web and Application filtering, Intrusion prevention system, Traffic shaping, and DoS(Denial of Service).	
1.4	Solution should offer with Central management solution with option to manage multiple firewalls from day one.	
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.	
1.6	Appliance Form factor should be 1U rackmount (sliding rails including.).	
1.7	Firewall should have Multi-Function Led Display.	
1.8	Firewall should have Management ports & USB Ports 1 x RJ45 MGMT 1 x COM RJ45,1 x Micro-USB (cable incl.),2 x USB 3.0 (front).	
2	**Hardware & Performance Requirement**	
2.1	The appliance should support 4 x 1GbE copper ports,4 x 2.5 GbE copper and 8 x SFP+ 10GbE port. 5* 10GbE SFP+ SMF Transciveres .	
2.2	Loaded with Primary & Redundant Power Supply.	
2.2	Firewall must support at least 17 million concurrent connections.	
2.3	Firewall must support at least 450,000 new sessions per second of processing.	
2.4	Firewall should support up to 2X 240 GB SATA-SSD.	
2.5	Firewall should support integrated IPS throughputs of minimum 36 Gbps.	
2.6	Firewall should have a minimum Firewall throughput of 80 Gbps.	
2.7	Firewall should have a minimum Threat Protection throughput 8.5 Gbps.	
2.8	Firewall should have a minimum NGFW throughput of 30 Gbps.	
2.9	Firewall should have a minimum Ipsec VPN throughput of minimum 75 Gbps.	
2.9a	Firewall should have a minimum Xstream SSL/TLS 10,600 Mbps.	
2.9b	Firewall should support 1500 concurrent users and Higher.	
3	**General Features**	
3.1	Firewall should support CLI and GUI based access to the firewall modules.	
3.2	Should support Local authentication and integration with third party authentication solutions like, Active Directory, LDAP Server, RADIUS, TACACS+, eDirectory and Kerberos,Azure AD and Google LDAP.	
3.3	Centralized, daily updates, automatic and manual updates or offline update.	

3.4	Firewall should have Advance Threat Protection (detect and block network traffic attempting to contact command and control servers using multi-layered DNS, AFC, and firewall).	
4	**Web Filtering**	
4.1	Firewall should support minimum of at least 90+ predefined categories.	
4.2	Should have flexibility to create network, user, Web and app-based traffic shaping (QoS) policy.	
4.3	Exceptions based on network objects defined.	
4.4	Notification of custom messages or URL redirection.	
5	**Intrusion Prevention System**	
5.1	IPS should protect for 7000+ Signatures database.	
5.2	Firewall should block attacks such as DoS- SYN, IP/ICMP/TCP/UDP related attacks.	
5.3	Solution should have IPS deep packet inspection engine with an option to select.	
5.4	IPS patterns which can ne applied firewall rule for better protection and should have option to create custom signature.	
5.5	Firewall should block attacks such as DNS cache poisoning, FTP bounce, improper commands.	
6	**Application Control**	
6.1	Firewall should have feature to identify, allow, block or limit usage of applications beyond ports and protocols.	
6.2	Firewall should provide protection against Block potentially unwanted Applications.	
6.3	Application signature database of minimum 3500+ Applications for Application Control.	
7	**SD WAN (software-defined wide area network)**	
7.1	Should have inbuild SD WAN technology with application path selection and routing, which is used to ensure quality and minimize latency for mission-critical applications.	
7.2	The Solution should support performance-based SLAs to automatically select the best WAN link based on jitter, latency, or packet-loss.	
7.3	Should support multiple WAN link options including VDSL(Very high-speed digital subscriber lines), DSL(Digital Subscriber Line), cable, LTE(Long-Term Evolution)/cellular, and MPLS(Multiprotocol Label Switching)	
7.4	Should provide real-time insights into latency, jitter and packet loss for all WAN links.	
7.5	Should maintain application sessions when link performance falls below thresholds and should make a transition to a better performing WAN link.	
7.6	Should have a central SDWAN Orchestration platform to create Multiple site-to-site VPN tunnels between network locations using an optimal architecture like hub-and-spoke, full mesh, or some combination.	
7.7	Cloud Orchestration should have wizards for easy and quick creating of VPN Tunnels.	
8	**Logging & Reporting**	

8.1	Firewall logs must contain information about the firewall policy rule that triggered the log.	
8.2	Firewall must provide at a minimum basic statistic about the health of the firewall and the amount of traffic traversing the firewall.	
8.3	Firewall should have support to log (in detail) all connections which are blocked or pass through the firewall.	
8.4	Firewall should have support to generate performance statistics on real-time basis.	
8.5	Firewall should have the capability to produce report s which measure usage.	
8.6	Should Support 1000+ drilled down reports on the appliance.	
9	**OEM Criteria**	
9.1	Proposed solution should have Common Criteria EAL4+(Evaluation Assurance Level).	
9.2	Proposed solution should have Manufacturer Authorization (MAF).	
9.3	Proposed solution should have MTCTE (Mandatory Testing and Certification of Telecommunication Equipment) certification from TEC.	
9.4	OEM Support & Technical Assistant Centre(TAC) Presence in India.	
9.5	The bidder and its OEM should not have been banned/ de-listed/ blacklisted/ debarred from business by any PSU/ Govt. Department during last 5 years. Self-declaration in this regard is to be submitted with the Bid by the OEM and the bidder.	
9.6	ISO 27001:2022 Certification.	
9.7	Should have ISO 9001:2015 or above certificate.	
10	**Licenses**	
10.1	Should Quote for 1 Year,2 year & 3 Year Subscription licenses for Firewall, Advanced Threat Protection, Intrusion Prevention System (IPS), Anti-malware, Web and App visibility control, Cloud Sandboxing, 24x7 support, security, and software updates.	
11	**Conditions**	
11.1	Firewall Appliance training should be provided for the supplying products.	
11.2	Implementation of the Firewall Appliance products has to be done on premises whenever the requirement in our campus throughout the license period.	
11.3	For Any problem with Firewall Appliance, supplier & OEM should be part of troubleshooting.	
11.4	All these points are to be mentioned in the undertaking letter which is signed by the vendor.	
11.5	The new appliance has to be upgraded with buy back option of Existing Sophos XG-310 appliance.	
11.6	Quote for High availabality (HA) Hardware and Software seperately as per the above condition.	

VICE PRINCIPAL
3/9/24
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

PRINCIPAL
3.9.2024
Dr. Ambedkar Institute of Technology
Bng- 560 056

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