

Tender Notice

No. KVASU/CVAS/ARIS/01/2025 [SP-I]

Dated: 06.10.2025

Sealed Tenders are invited for the purchase of **Firewall** (specifications attached) at the ARIS cell, College of Veterinary and Animal Sciences, Mannuthy, Thrissur, Kerala under the State Plan Project 2025-26.

Last date for the receipt of Tender is on **25.10.2025, 2.00 P.M.** and will be opened at **2.30 P.M.**, on the same day in the presence of bidders or their authorized representatives.

All the rules / regulations applicable to Government tenders will be applicable to this Tender also. EMD and Agreement in the Kerala stamp paper as detailed below should be furnished along with the Tender. Further details, if any can be had from office of the undersigned during working hours.

Equipment Name: Firewall

Units required: 1 (One)

Technical Specifications

Sr No	Specification for Firewall
1	General Requirement
1.1	Device should be based on 64-bit hardware platform & based on Multi-Core Architecture with Optimization for excellent throughput for all key processes
1.2	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, Cloud Sandboxing, DoS/DDoS.
1.3	Solution should offer with Centralized firewall management solution
1.4	Solution should be XDR Ready with same OEM if required
1.5	Solution should support multi factor authentication on appliance or by using external authentication server for minimum 300 VPN users and same MFA should also be applicable for user portal, and Web admin from day one.
1.6	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
2	Hardware & Performance Requirement
2.1	The appliance should support 6xGbE copper ports ,2 x 1GbE SFP slot
2.2	Firewall must Support SSL scanning Throughput of minimum 1.25 Gbps

2.3	Firewall must support at least 5 million concurrent connections
2.4	Firewall must support at least 100,000 new sessions per second of processing.
2.5	Firewall should support min 64 GB build in Storage
2.6	Firewall should support integrated IPS throughputs of minimum 5 Gbps.
2.7	Device should have a minimum Firewall throughput of 18 Gbps.
2.8	Firewall should have a minimum Threat Protection throughput 4.5 Gbps.
2.9	Firewall should have a minimum NGFW throughput of 5 Gbps.
2.10	Firewall should have a minimum IPsec VPN throughput of minimum 6 Gbps
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
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 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 5,000+ 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
5.4	IPS 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
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, DSL, cable, LTE/cellular, and MPLS
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 centralized SDWAN management 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	Centralized management 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	Solution should have log and Report analyzer
8.6	Should Support 100+ drilled down reports .
9	WAF(Web Application Firewall)
9.1	Reverse proxy
9.2	URL hardening engine with deep-linking and directory traversal prevention
9.3	Form hardening engine
9.4	SQL injection protection
9.5	Cross-site scripting protection
9.6	Antivirus engines for WAF
9.7	HTTPS (TLS/SSL) encryption offloading
9.8	Cookie signing with digital signatures
9.9	Path-based routing
10	OEM Criteria
10.1	Proposed solution should have Common Criteria EAL4+
10.2	Proposed solution should have Manufacturer Authorization (MAF)
10.3	Proposed solution should have MTCTE certification from TEC
10.4	Proposed solution should be Make In India
10.5	OEM should have ISO 27001 Certification
10.6	Solution should be listed in Latest Gartner Magic Quadrant for Network Firewalls
10.7	Oem should have minimum 18 Years in Industry
11	Licenses & Warranty

11.1	Three Year Subscription licenses for Firewall, Advanced Threat Protection, Intrusion Prevention System (IPS), Anti-malware, Web and App visibility control, Cloud Sandboxing ,WAF, 24x7 OEM support, security and software updates.
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TERMS AND CONDITIONS

1. The envelopes containing the tender should bear the superscription “Tender for the supply of **Firewall**”, and should be addressed to The Vice Patron, ARIS Cell, College of Veterinary and Animal Sciences, Mannuthy, Thrissur, PIN-680651.
2. Each tender should be accompanied by an EMD of 2.5% of the total quoted amount in the form of Demand Draft in favour of the The Vice Patron, ARIS Cell, College of Veterinary and Animal Sciences, Mannuthy, Thrissur, PIN-680651 payable at the State Bank of India, Ollukkara.
3. Firms who are exempted from payment of EMD should furnish attested copy of the currently valid certificate from the Store Purchase Department, Government of Kerala.
4. The tender should also be accompanied by an agreement in Kerala stamp paper worth Rs. 200/- as per format appended in the tender form. Late and incomplete tenders and tenders without EMD and agreement in Kerala stamp paper will not be accepted.
5. Tenders should be submitted in the tender forms. The tender form can be downloaded from the University website (attached along with this tender notice) and cost of tender form is Rs. 0.2% of total cost of the equipment (min. Rs. 400/- +GST @18% and Rs.50/- and above will be rounded to next hundred and vice versa). The cost of tender form can be remitted to the A/c No. **57036602729** (IFSC: SBIN00070210, SBI, Ollukkara) of the The Vice Patron, ARIS Cell, College of Veterinary and Animal Sciences, Mannuthy, Thrissur, PIN-680651 at the time of submission of tender through online transfer. The details of online transfer should be noted in the tender.
6. Successful bidder on confirmation of the tender will have to furnish a Performance Security of 10% of the total cost of the equipment and execute an agreement in Kerala Stamp paper worth Rs.200/-. Performance Security in the form of Bank Guarantee drawn in favour of The Vice Patron, ARIS Cell, College of Veterinary and Animal Sciences, Mannuthy, Thrissur, PIN-680651 payable at S.B.I., Ollukkara is to be furnished.
7. The exact specification details of make, model, name of manufacturer etc., of the item offered must be clearly specified. Copies of detailed technical literature and illustrated brochures of item tendered are to be furnished along with the offer. The operating manuals are to be supplied along with the item. The specification of the accessories should be provided.
8. We are exempted from the payment of customs and excise duty for our procurements and hence prices quoted should be exclusive of these.
9. The rates quoted should be only in Indian currency. The rate of only one model should be quoted. The prices quoted should be inclusive of all taxes, cess, accessories etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract. The rate quoted must also include the transportation and installation charges. The tenders should clearly indicate the net cost of the machine and taxes/levies separately.
10. The equipment should have a warranty for a minimum of three years from the date of installation. Details of warranty offered should be clearly stated in the tender. Period of firmness of the quoted prices should be clearly stated in the offer.
11. Withdrawal of tenders after its acceptance or failure to supply the equipment during the specified period or not according to the specifications will entail cancellation of the tender and purchase will be effected from elsewhere at the expense of the contractor. The

successful bidder should supply the items at ARIS Cell, College of Veterinary and Animal Sciences, Mannuthy, Thrissur, PIN-680651 within a month from the date of supply order. Otherwise the items will be purchased elsewhere and any loss incurred thereby will be payable by the defaulter. In such events, the University reserves the right to remove the defaulters name from the list of Kerala Veterinary and Animal Sciences University suppliers permanently or for a specified period.

12. The articles should be of good quality, properly packed and in conformity with the item quoted in the tender. If the article is found to be inferior quality or not in conformity to the specification as per tender will be summarily rejected and the supplier will have to take back the material at his quote within 15 days of intimation.
13. In case when the successful tenderers having made partial supplies fail to fulfill the contract in full, all or any of the material not supplied will be purchased by means of tender quotation or negotiation or from the next lowest tenders who had offered to supply already and the loss if any, caused to the University together with such sum as may be fixed by the University towards the damages shall be recovered from the defaulting tenderers.
14. The authorized dealers must submit a certificate from the principals stating that they are the authorized dealers of the company's product in India.
15. The Vice Patron, ARIS Cell, College of Veterinary and Animal Sciences, Mannuthy, Thrissur, PIN-680651 reserves the right to reject any tender without assigning any reason thereof.
16. Late tenders and tenders without EMD, tender form and agreement will be summarily rejected. All rules pertaining to Govt. Tenders will be applicable to this tender also.

*** The rate quoted should be on site delivery (FOR destination)**

- Note:**
1. The warranty period for the equipments should be for a minimum period of three years from the date installation, unless otherwise specified.
 2. Should be an ISO Company and instruments manufactured should comply in Indian/International standard
 3. The company should not have been black listed by any Government organization.
 4. Client list should be enclosed along with the offer.
 5. Validity of the tender should be for 1 year.
 6. Authorized dealers should ensure prompt servicing of the equipment.
 7. Bidder should have a local support office in India for immediate support.
 8. The manufacturer should be in the same business for the last 5 years.