



IIITDM
KANCHEEPURAM

TENDER NOTICE FOR PROCUREMENT

Tender Enquiry No: **IIITDMK/24-25/SP/Firewall/009 Dt12/08/24**



Tender (E-Procurement Mode)

For

Supply and Installation of UTM Firewall



Notice Inviting E-Tender (E-Procurement Mode)

Date: 12.08.2024

IIITDM Kancheepuram is intent to procure in E-Procurement of the articles mentioned below as per the terms and conditions attached. Please submit your bid documents on <https://eprocure.gov.in/eprocure/app> as per the due date and time.

| | | |
|--------------------------|---|--|
| Item | : | Supply and Installation of UTM Firewall (Specification/Quantity details enclosed as Annexure-1) |
| Tender Enquiry No | : | IIITDMK/24-25/SP/Firewall/009 Dt.12/08/24 |
| EMD | : | Payment proof for EMD of Rs.84,000/- or a valid MSME Registration Certificate for EMD exemption must be attached. |

CRITICAL DATE SHEET

| STAGE | DATE & TIME |
|--------------------------------|--|
| Bid Submission End Date & Time | 5 th September 2024 - 15:00 HRS |
| Bid Opening Date & Time | 6 th September 2024 - 15:30 HRS |

NOTE:

- The bidder should be a Class-I / Class-II Local Supplier meeting the requirement as per the Order No. P-45021/2/2017-PP (BE-II) issued by the Public Procurement Section, DPIIT, Ministry of Commerce and Industry, GOI dated 16-09-2020.**
- Bidders other than Class-I / Class-II Local Suppliers will not be considered and bids will be rejected outright.**

Important:

All communications are to be addressed to in the name of The Registrar, IIITD&M Kancheepuram only and not in the name of any officer and mails has to be sent to official purchase email id purchase@iiitdm.ac.in



Terms and Conditions

1. The Bidders are requested to give detailed tender in two bid format.

Bid-I : **Technical Bid**
Bid-II : **Commercial Bid**

2. The tender document can be downloaded from the CPPP Portal <https://eprocure.gov.in/eprocure/app> . The duly filled tenders should be submitted **on or before due date 15.00 HRS, 05th September**. Extension of due date will not be entertained. The instruction regarding e-bidding is enclosed.

3. Tenders submitted without following the two bid offer system will summarily be rejected.

4. Bid -1: Technical Bid

The online Technical bids should be uploaded containing the scanned copy of the following documents in (.pdf file)

- I. The technical bid compliance sheet & Eligibility Criteria (**Annexure-1**)
- II. Payment proof for EMD of Rs. 84,000/- or valid MSME Registration Certificate for EMD exemption (**Annexure-2**).
- III. Declaration of Local Content (**Annexure-3**)
- IV. Authorization Letter from OEM (**As Annexure-4**)
- V. Experience Certificate: Should have Supplied Two similar systems to reputed organizations/ research institutions/ Universities etc. on or after 1/1/2018 (PO copies to be enclosed) (**As Annexure -5**)
- VI. Item Description Leaflet. (**Annexure-6**)
- VII. Bids should have a validity of **120 days**. The technical offer should not contain any information on price.

Important:

The Technical bid consisting of all annexures and other documents should be serially numbered and to be uploaded as a single pdf file and the page number details has to be furnished in the compliance sheet. The total number of pages uploaded to be mentioned in the relevant column.

Earnest Money Deposit:

- Bidders shall Deposit EMD in the following bank. The amount must be through online mode and it shall be received on or before the last date and time of bid submission and the payment proof of EMD shall be attached along with the technical bid. No other mode of payment is accepted.

Steps for submission of EMD through SBI E'Collect.

- Go to link - <https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>
- Please select category as "Educational Institutions"
- Please select "IIITDM – KANCHEEPURAM A/C" from drop down list
- Please select "Earnest Money Deposit (EMD)" from Payment Category drop down list
- Kindly fill all tender details, contact details, EMD amount and make payment.
- After successful payment, the payment proof of EMD shall be attached along with the technical bid.



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- In the case of payment failure/ mismatch of particulars leads to cancellation of bid.
- For the successful bidder, the EMD will be retained/ adjusted against the security deposit.
- For the unsuccessful bidders, EMD amount will be refunded within 30 days from the date of issue of work order.
- The bidder shall enclose cancelled cheque/bank details to refund the EMD amount in case of unsuccessful bids.
- EMD shall be forfeited if any tenderer withdraws their offer within the bid validity period.
- In case of bidder with MSME exemption, valid proof shall be uploaded for to waive off the EMD.

5. Bid-2: Commercial Bid / Price

- i. **The Institute is exempted from custom duty (as applicable to Research Institutes/University) vide Custom notification no. 51/96 dt 23.07.1996 based on the DSIR notification in this regard.**
- ii. The Price may be quoted in INR only.
- iii. The price quoted should be for FOR Destination at IIITD&M Kancheepuram, Melakkottaiyur, Off Vandalur-Kelambakkam Road, Chennai – 600 127.
- iv. The packing, forwarding, freight, insurance and commissioning charges, if any extra may be quoted separately in commercial bid.
- v. This should contain only the price information along with commercial terms & conditions.
- vi. Submission of commercial bids by any other means shall not be accepted by the Institute in any circumstances.
- vii. Online submission of the bid will not be permitted on the portal after expiry of submission time and the bidder shall not be permitted to submit the same by any other mode.
- viii. **The Institute is Government Funded Educational Institution offering UG/PG and PhD programmes. The Item is required for student laboratory purpose and prices may be quoted at applicable “Academic Pricing”.**

6. Technical Evaluation

All the technical aspects of the bids will be evaluated by a committee constituted by the Director. Further, the institute may verify from the end users specified in the technical bid about the execution and satisfactory functioning of the item quoted if required.

7. Opening of Commercial Bids

IIITD&M Kancheepuram will open commercial bids of only the shortlisted bidders after technical evaluation.

8. Make in India Policy

1. This Institute is following and will abide with the Public Procurement (Preference to Make in India), Order 2017 issued from time to time. The Institute will award the Contract to the Bidder whose bid has been determined to be substantially responsive as per the Order No. P-45021/2/2017-PP(BE-II) dated 16- 09-2020 from Department for Promotion of Industry and Internal Trade (Public Procurement Section), Ministry of Commerce and Industry, Govt. of India.



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2. The bidder should be a Class-I / Class-II Local Supplier meeting the requirement of minimum 20% Local Content in line with the Public Procurement (Preference to Make in India) Order 2017 No. P-45021/2/2017-PP(BE-II) dated 16-09-2020.
 - i. Class I local supplier – has local content equal to more than 50%
 - ii. Class II local supplier – has local content 20% to less than 50%
 3. Further among all technically qualified bids during the price evaluation the lowest bid will be termed as L1. If L1 is Class I local supplier the contract will be awarded to L1. If L1 is not Class I Local supplier the lowest bidder among the class I local supplier will be invited to match the L1 price subject to class I local supplier quoted price falling within the margin of purchase preference and the contract shall be awarded to such class I local supplier subject to match the L1 price. In case the lowest eligible class I supplier fails to match the L1 price, the class I local supplier with next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and the contract shall be awarded accordingly. In case none of the class I local supplier within the margin of purchase preference matches the L1 price the contract shall be awarded to the L1 bidder (Class II Local supplier). Class II Local supplier will not get any purchase preference.
 4. The margin of purchase preference for Class I local supplier is 20% from L1 price (without tax).
9. **Delivery Period / Timelines**
The deliveries and installation must be completed **within 08 weeks** from the date of purchase order. The time is the essence of the contract. It is mandatory for the bidders who respond to this bid to meet this expectation, as this is linked to student's Labs / classes.
10. **Supply & services**
 - i) The items covered by this document is required to be supplied and installed at **Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Off Vandalur-Kelambakkam Road, Melakkottaiyur, Chennai – 600 127, Tamil Nadu.**
 - ii) IIITD&M Kancheepuram will not provide any accommodation / transportation for the engineers / representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the principal supplier / agent to make their own arrangements.
11. **Restriction on Purchase on Grounds of Defense of India**
The Institute follows Ministry of Finance and Department of Expenditure OM No.6/18/2019-PPD dated 23rd July 2020 and subsequent order dated 23rd July 2020 which are binding and the evaluation will be done accordingly.



12. Installation

- i) Bidder shall be responsible for installation / demonstration as applicable and for after sales service during the warranty and thereafter.
- ii) Installation and demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.

13. Warranty / Support

- i) The items supplied shall carry the warranty as per the requirement mentioned in the technical specification.
- ii) The defects, if any, during the guarantee / warranty period are to be rectified free of charge by arranging free replacement wherever necessary.

14. Indemnity

The vendor shall indemnify, protect and save IITD&M Kancheepuram against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc., or such other statutory infringements in respect of all the items supplied by them.

15. Freight and Insurance

The items to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at IITD&M Kancheepuram site.

16. Payment

100% payment after delivery, installation and acceptance by IITD&M on submission of Bank Guarantee for an equivalent value of 3% of PO value valid till warranty period plus 2 months

17. Penalty for delayed services / LD

- i) As time is the essence of the contract, delivery period mentioned in the purchase order should be strictly adhered to. Otherwise LD clause will be applied / enforced.
- ii) If the supplier fails to supply, and fix the item as per specifications mentioned in the order within the due date, the supplier is liable to pay liquidated damages of 1% of order value for delay of every week or part thereof subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.
- iii) IITD&M Kancheepuram reserves the right to cancel the order in case the delay is more than 04 weeks and the contractor is not eligible for any damage from the Institute and contractor will forfeit his claim for EMD.

18. Jurisdiction

The disputes, legal matters, court issues, if any, shall be subject to Courts in the district of Chengalpattu Jurisdiction only.



19. Force Majeure

- a) IIITD&M Kancheepuram may consider relaxing the penalty and delivery requirements, as specified in this document, if and to the extent that the delay, in performance or other failure to perform its obligations under the contract, is the result of a force majeure.
- b) If the due date of submission of tender / tender opening is declared a holiday for the Institute, the due date for submission of tender / tender opening will be extended to same time on next working day.

20. Arbitration

All disputes of any kind arising out of supply, commissioning, acceptance, warranty maintenance etc., shall be referred by either party (IIITD&M Kancheepuram or the bidder) after issuance of 30 days notice in writing to the other party clearly mentioning the nature of dispute and will be referred to the arbitrator to be nominated by Director, IIITD&M Kancheepuram, India. The Venue for arbitration shall be Chennai, India.

21. Acceptance of the terms and conditions of tender document

The bidders has to accept all the terms and conditions of this tender document and it is made known that the bidders quoting for this tender had impliedly accepted the terms and conditions of this tender.

22. Interpretation of the clauses in the Tender Document

In case of any ambiguity / dispute in the interpretation of any of the clause in this tender document, interpretation of Director, IIITD&M Kancheepuram shall be final and binding on all parties. The IIITD&M Kancheepuram reserves the right to accept the offer in full or in parts or reject the offer summarily or partly without assigning any reasons.

23. Integrity Clause

No official of a procuring entity or a bidder shall act in contravention of the codes which includes prohibition of making offer, solicitation or acceptance of bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process.

24. The competent authority reserves the right to either accept or reject the tender without assigning any reason.

Sd/-
कुलसचिव / Registrar
IIITD&M Kancheepuram



ANNEXURE-1

TECHNICAL BID

Technical Compliance Sheet (to be filled and uploaded)

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|---|--|
| Name of the Agency | |
| Office Address: | |
| Name and Mobile No. of contact person: | |

**ITEM: Supply and Installation of UTM Firewall
(QTY: 01 No)**

| SI No | Parameter | Technical Specification | Compliance Yes/No/N.A. | Deviation (If Any) | Remarks |
|-------|----------------------------|---|------------------------|--------------------|---------|
| 1. | General Requirement | Device should be based on 64-bit hardware platform & based on Multi-Core Architecture with Optimization for excellent throughput for all your key processes | | | |
| 2. | | The Proposed solution should have option for visibility into encrypted traffic flows, support for TLS 1.3 without downgrading the performance. | | | |
| 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, Cloud Sandboxing, DoS/DDoS. | | | |
| 4. | | Solution should offer with Centralized firewall management solution with option to manage minimum 10 firewalls from day one. | | | |
| 5. | | On-Site demonstration by Vendor/OEM should be done if requested. | | | |
| 6. | | Solution should support multi factor authentication on appliance or by using external authentication server for minimum 500 VPN users and same MFA should also be applicable | | | |



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| | | for user portal, and Web admin from day one. | | | |
| 7. | | 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 | | | |
| 8. | Hardware & Performance Requirement | The appliance should support 8xGbE copper ports ,4x 10 GbE SFP+ slot | | | |
| 9. | | Firewall should have a maximum Latency (64-byte UDP) of 3 μs | | | |
| 10. | | Firewall must support at least 15,000,000 concurrent connections | | | |
| 11. | | Firewall must support at least 350,000 new sessions per second. | | | |
| 12. | | Firewall should support min 200 GB SATA-SSD build in HW | | | |
| 13. | | Firewall should support integrated IPS throughputs of minimum 25 Gbps. | | | |
| 14. | | Device should have a minimum Firewall throughput of 70 Gbps. | | | |
| 15. | | Firewall should have a minimum Threat Protection throughput 6.5 Gbps. | | | |
| 16. | | Firewall should have a minimum NGFW throughput of 23 Gbps. | | | |
| 17. | | Firewall should have a minimum IPsec VPN throughput of minimum 60 Gbps | | | |
| 18. | | General Features | Firewall should support CLI and GUI based access to the firewall modules. | | |
| 19. | Should support Local authentication and integration with third party authentication solutions like, Active Directory, LDAP Server, RADIUS, TACACS+, eDirectory and Kerberos | | | | |
| 20. | Centralized, daily updates, automatic and manual updates or offline update. | | | | |
| 21. | 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) | | | | |



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| 22. | | Firewall should be XDR ready and be able to integrate with XDR solution with same OEM if required | | | |
| 23. | | Firewall should have built in Zero Trust Network Access feature in addition to VPN | | | |
| 24. | Web Filtering | Firewall should support minimum of at least 90+ predefined categories. | | | |
| 25. | | Should have flexibility to create network, user, Web and app-based traffic shaping (QoS) policy. | | | |
| 26. | | Exceptions based on network objects defined. | | | |
| 27. | | Notification of custom messages or URL redirection. | | | |
| 28. | Intrusion Prevention System | IPS should protect for 5,000+ Signatures database. | | | |
| 29. | | Firewall should block attacks such as DoS- SYN, IP/ICMP/TCP/UDP related attacks. | | | |
| 30. | | Solution should have IPS deep packet inspection engine | | | |
| 31. | | IPS patterns which can be applied firewall rule for better protection and should have option to create custom signature | | | |
| 32. | | Firewall should block attacks such as DNS cache poisoning, FTP bounce, improper commands. | | | |
| 33. | Application Control | Firewall should have feature to identify, allow, block or limit usage of applications beyond ports and protocols. | | | |
| 34. | | Firewall should provide protection against Block potentially unwanted Applications | | | |
| 35. | | Application signature database of minimum 3500+ Applications for Application Control | | | |
| 36. | SD WAN | 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 | | | |
| 37. | | The Solution should support performance-based SLAs to | | | |



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| | | automatically select the best WAN link based on jitter, latency, or packet-loss | | | |
| 38. | | Should support multiple WAN link options including VDSL, DSL, cable, LTE/cellular, and MPLS | | | |
| 39. | | Should provide real-time insights into latency, jitter and packet loss for all WAN links | | | |
| 40. | | Should maintain application sessions when link performance falls below thresholds and should make a transition to a better performing WAN link | | | |
| 41. | | 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. | | | |
| 42. | | Centralized management should have wizards for easy and quick creating of VPN Tunnels | | | |
| 43. | Logging & Reporting | Firewall logs must contain information about the firewall policy rule that triggered the log | | | |
| 44. | | Firewall must provide at a minimum basic statistic about the health of the firewall and the amount of traffic traversing the firewall. | | | |
| 45. | | Firewall should have support to log (in detail) all connections which are blocked or pass through the firewall. | | | |
| 46. | | Firewall should have support to generate performance statistics on real-time basis. | | | |
| 47. | | Firewall should have the capability to produce reports which measure usage. | | | |
| 48. | | Should Support 100+ drilled down reports on the appliance | | | |
| 49. | Support and Warranty | Three Year Subscription licenses for Firewall, Advanced Threat Protection, Intrusion Prevention System (IPS), Anti-malware, Web and App visibility control, Cloud Sandboxing, 24x7 OEM support, security and software updates. | | | |



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| 50. | Equipment/OEM certifications | ICSA Lab Firewall Certification | | | |
| 51. | | OEM should be SOC2 Complied | | | |
| 52. | | ISO 27001:2022 Certification | | | |
| 53. | | Firewall product/products family of OEM should have MTCTE certification from TEC | | | |
| 54. | | IPv6 Ready Logo Program Approved List | | | |
| 55. | | Manufacturer Authorization (MAF) | | | |
| 56. | | OEM Support (TAC) Presence in India | | | |
| 57. | | Make In India OEM Letter | | | |
| 58. | | Escalation Matrix for Support | | | |
| 59. | | Software OS family should be Common criteria EAL4+ Certificate | | | |
| 60. | | The bidder and its OEM should not have been banned/ de-listed/ blacklisted/ debarred from business by any PSU/ Govt. Department for ever. Self-declaration in this regard is to be submitted with the Bid by the OEM and the bidder | | | |
| 61. | Additional Terms and Conditions | Firewall should support non-repudiation to strengthen logging data security/privacy | | | |
| 62. | | Should have built in zero trust network access functionality in addition to VPN. Should support DNS security, OEM should offer its own DNS server IP's that can add as an initial layer of DNS security. | | | |
| 63. | | Built in Capability for Multi Factor Authentication for Users without any additional cost | | | |
| 64. | | Solution should have the option to add Web Application Firewall if | | | |



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| | | Required without change of Hardware. WAF should support URL hardening engine with deep-linking and directory traversal prevention, Form hardening engine, SQL injection protection, Cross-site scripting protection, HTTPS (TLS/SSL) encryption offloading, Cookie signing with digital signatures, Path-based routing, Outlook anywhere protocol support, Match requests from source networks or specified target URLs and Scan size limit option. | | | |
| 65. | | Must have SD-WAN capability and have feature to create SLA profile with Jitter, Latency, Packet Loss. And same should be demonstrated by OEM/Vender in post bid POC if requested. | | | |
| 66. | | SDWAN feature must have source, destination, service, application and users' base policy creation capability. Also, should be able to load balance or load share traffic across multiple gateways based on SLA parameters. And same should be demonstrated by OEM/Vendor in post bid POC if requested. | | | |
| 67. | | Solution should be XDR Ready from same OEM, support Threat Response capability integrating with same OEM XDR if required to automatically isolate active adversaries and threats on the network and prevent lateral movement or communication. | | | |
| 68. | | Central management allows objects, settings, and policies to be modified and automatically synchronized to firewalls. | | | |



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| 69. | | Central management should provide feasibility to use SD-WAN to provision VPN tunnels between multiple devices, if required in future. | | | |
| 70. | | Central Management, if cloud based then should have hosting within Indian jurisdiction. | | | |
| 71. | | Central management can schedule configuration backup and keep minimum two most recent backup. | | | |
| 72. | | Central Management can give audit trail and full historical task of changes on a group or a policy. | | | |
| 73. | | The Management solution should be from same OEM | | | |

Note: The total cost will be taken into account for arriving L-1.



ELIGIBILITY CRITERIA

| Sl.No | Description | Compliance Yes/No/N.A. | Page No. |
|-------|--|---|----------|
| 1. | Technical Sheet | The technical bid compliance sheet & Eligibility Criteria (Annexure-1) | |
| 2. | EMD | Payment proof for EMD of Rs. 84,000/- or valid MSME Registration Certificate for EMD exemption must be attached. (Annexure-2) | |
| 3. | Declaration of Local Content | Declaration of Local Content (Annexure-3) | |
| 4. | Authorization Letter from OEM | Authorization Letter from OEM (As Annexure-4) | |
| 5. | Experience Certificate | Experience Certificate: Should have Supplied Two similar systems to reputed organizations/ research institutions/ Universities etc. on or after 1/1/2018 (PO copies to be enclosed) (As Annexure -5) | |
| 6. | Leaflet | Product Leaflet (Annexure-6) | |
| 7. | Bid Validity | 120 Days | |
| 8. | Total Number of pages uploaded in the technical bid | | |

Please Enclose Relevant Document Only.



ANNEXURE-3

**SELF-CERTIFICATION REGARDING LOCAL CONTENT (LC) FOR GOODS,
SERVICES OR WORKS ISSUED BY OEM UNDER PREFERENCE TO MAKE IN INDIA
ORDER CERTIFICATE FOR CLASS-I or CLASS- II LOCAL SUPPLIER**

Tender No.: _____; Date: _____

Date: [insert date (as day, month and year) of Bid Submission]

We hereby declare that the items under our Quotation No. _____ in the brand name of _____ & (equipment details) _____ are manufactured at (complete address) _____.

Hence, it contains the local content of: _____% as defined under the Make in India policy of the Department for Promotion of Industry & Internal Trade, DPIIT, Govt. of India.

The value addition for the local content is done at (Name of the place & address) _____.

The Country of Origin of the item(s) is/are _____.

Further, it is declared that finished Equipment is not imported and local Content not calculated on the basis of Transportation, Insurance, Installation, Commissioning, and Training & after sales services. But Equipment is Manufactured/Assembled in India at out Factory address _____.

The false declaration will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules of which a bidder or its successors can be debarred for up to two years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be permissible under Law.

We also declare that the goods are not manufactured in a country that shares its land border with India nor the beneficial owner belong to those country.

We shall be held responsible if the certificate is found to be incorrect.

Seal and Signature of OEM & Bidder