
 <p>MAHA TRANSCO Maharashtra State Electricity Transmission Co. Ltd.</p>	<p>MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD CIN No. U40109MH2005SGCI53646 EHV O&M DN-II, PUNE-30 MSETCL 220kV PARVATI S/STN., NEAR P.L. DESHPANDE GARDEN, SINHAGAD ROAD, PUNE – 411030 ☎- PH. NO.020-29910830 E-mail: ee6120@mahatransco.in</p>	
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EE/EHV /O&M/PN /Tech-/ 889

DT: 12.12.2023

Subject: E-Enquiry for install hardware firewall to computer Local area Network (LAN) under EHV O&M Dn-II, Pune.

Dear Sir,

Sealed & Superscribed quotations are invited on firm quotation basis for the works indicated in **Schedule 'A'** so as to reach this office on **19.12.2023 upto 18:15 hrs.** on following Terms & Conditions.

Terms & Conditions:-

1. Bidder must be 'Computer Hardware & Software Supplier' Agency or Company or Organization.
2. Bidders are suggested to visit the work execution site (Admin Building, Near P. L. Deshpande Garden, Sinhagad Road, Pune-411030) to have accurate knowledge of IT set up and Scope of Work.

3. Scope of Work:

- 1) Supply, Installation, Configuration & Support of 'New Hardware firewall' alongwith following subscriptions with 1 year validity (from the date of activation) with following works, features & functionalities:
 - a) **User Count: 30** Users.
 - b) **Base Firewall Feature :**
 - i. **Networking and SD-WAN:** Wireless, SD-WAN, application aware routing, traffic shaping
 - ii. **Protection and Performance:** Network Flow Fast Path, TLS 1.3 inspection, Deep-Packet Inspection
 - iii. **SD-WAN and VPN:** SD-WAN, IPsec/SSL site-to-site and remote access VPN (unlimited)
 - iv. **Reporting:** Historical on-box logging and reporting, Cloud reporting (minimum seven-day data retention)
 - c) **Network Protection:**
 - i. **DPI engine:** streaming deep-packet inspection
 - ii. **IPS:** Next-gen Intrusion Prevention
 - iii. **ATP:** Advanced Threat Protection Synchronized Security
 - iv. **Clientless VPN:** HTML5
 - v. **SD-RED VPN:** site-to-site VPN. Manage SD-RED devices
 - vi. **Reporting:** Extensive network and threat reporting
 - d) **Web Protection:**
 - i. **DPI engine:** streaming deep-packet inspection
 - ii. **Web Control:** by user, group, category, URL, keyword
 - iii. **Web Threat Protection:** malware, PUA, malicious JavaScript, pharming
 - iv. **App Control:** by user, group, category, risk, and more
 - v. **Synchronized SD-WAN:** utilizing Synchronized App Control to route unknown apps
 - vi. **Reporting:** Extensive web and app reporting

- e) **Zero-Day Protection:**
 - i. **DPI engine:** streaming deep-packet inspection
 - ii. **Zero-Day Threat Protection:** Analyse all unknown files using AI, ML, and sandboxing
 - iii. Cloud-based intelligence and analysis.
 - iv. **Machine Learning:** using multiple deep learning models
 - v. **Cloud Sandboxing:** dynamic run-time analysis of unknown files
 - vi. **Reporting:** Extensive threat intelligence analysis reporting
- f) **Standard Protection features:**
 - i. **Base License:** Networking, wireless, SD-WAN, unlimited remote access VPN, site-to-site VPN
 - ii. **Network Protection:** TLS and DPI engine, IPS, ATP, Security Heartbeat, SD-RED VPN, reporting
 - iii. **Web Protection:** TLS and DPI engine, Web Security and Control, Application Control, reporting
 - iv. **Full Support:** 24/7 on site support, feature updates, advanced replacement hardware warranty for tenure.
- g) **Hardware Specifications:**
 - I. **Sophos XGS 116 Hardware Firewall:-** XGS 116 HW Appliance with 8 GE incl. 1 PoE (30W) + 1 SFP port, 1 expansion bay for optional 3G/4G module, SSD + Base License (incl. FW, VPN & Wireless) for unlimited users + power cable.
 - II. **Sophos XGS 116 Subscription - 1 Year License:-** Advance Firewall, Site to Site IPsec VPN, SSL VPN (Unlimited Licenses), HTML 5 VPN, Wireless Controller, Advance Threat Protection, IPS, RED, URL Filtering, Anti-Virus, Granular Application Control , Sandstorm (Sandboxing / Unknown Threat Protection / Ransomware Protection) (**Add -On License - Gateway Email Protection -** It is required when Email Server is inhouse and Gateway Anti-Spam functionality is required, **Web Server Protection - Web Application Firewall**)
- h) **Performance:**
 - Firewall throughput:** Minimum 30,000 Mbps , **Firewall IMIX:** Minimum 15,900 Mbps, **Firewall Latency (64 byte UDP) :** 6 μ s ,**IPS throughput:** Minimum 5,800 Mbps,**Threat Protection throughput:** Minimum 1,250 Mbps,**Concurrent connections:** Minimum 6,500,000,**New connections/second :** Minimum 134,700
 - IPsec VPN throughput:** Minimum 3,000 Mbps,**SSL/TLS Inspection:** Minimum 1,100 Mbps,**SSL/TLS Concurrent connections:** Minimum 18,432
- i) Product Certifications: CB, CE, UL, FCC, ISED, VCCI, KC, RCM, NOM, Anatel etc.
- j) It should be Rack mounted in existing MSETCL Setup.
- k) All Network settings, Routing, Hosts & Services, and VPN Settings, user creation, login software installation etc. These are just illustrative examples.
- l) Bidder shall apply IP Schema for 254 Private LAN IPs.
- m) Bidder shall physically install Hardware alongwith newly created Rack with required screws, fastener, required GBIC etc. Also, any kind of hardware will be provided by bidder only.
- n) Bidder shall handover license copy registered in the name of MSETCL after complete installation of Firewall.
- o) **Support:**
 - i. Bidder shall provide 24/7 support to MSETCL like but not limited to backup, re-installation, new policies, new configuration, new rules, new network related things etc. of firewall in full or partially during 1 year within 24 hrs after reporting.
 - ii. Bidder shall apply CERT-IN & security settings which are given by Cyber Security Team& IT Section, MSETCL like but not limited to Malware blocking, IP blocking, hash values blocking in firewall time to time within one day after intimation during support period of 1 years. Also, bidder will reply by email about completion of this work.
 - iii. Bidder shall make settings as per given by IT Section Time to Time within one day & reply by email about completion.
 - iv. Bidder shall take back up of firewall fully per month (date will be fixed by MSETCL) & keep safe in there custody.

p) Miscellaneous Features & Functionalities:

Firewall should:

- i. Secure the network from viruses, malware, or malicious attachments by scanning the incoming data using Deep Packet Inspection.
- ii. Should prevent attacks before they enter the network by inspecting the packet headers.
- iii. Should prevent access to unwanted websites by installing enhanced web filtering.
- iv. Should have ability to update automatically with the latest security updates, anti-virus definitions, and new features so that minimal manual intervention is required beyond initial set-up.
- v. Should enable administrators to manage a wide range of security functions with a single management console.
- vi. Should be accessible by LAN IP & through static IP whenever required. Also, should be accessed by COM port, web cli.
- vii. Should have login software for access to the Internet & firewall services & login through browser should be possible. Login username will be SAP ID (5 digit numeric).
- viii. Should have hosts & services facility. And should comply CERT-IN guidelines & bidder will apply same policies given by MSETCL time to time for blocking Ips, urls, hashes or by Cyber Security Team time to time etc. This is just illustrative example.

q) License: Firewall should be licensed to EHV O&M Dn-II, Pune, MSETCL for one years. Certificate of License & Validity, in the name of Executive Engineer, M.S.E.T.C.L., Pune, should be provided for the same for application by bidder (Certificate from OEM is a mandatory for License & Validity). Validity of the licence shall be 1 years.

r) Training: An in-house training of minimum 1 (One) day to EHV O&M Dn-II, Pune, MSETCL for day to day operation and maintenance of the application is to be given by the bidder.

s) Application Management Services: Bidder will arrange a visit of Technical professional every Quarter, who shall do random check of firewall system and will give a report of inspection. In case of emergency, bidder should provide onsite support as requested by MSETCL.

t) Installation Period: The entire installation of Firewall to be completed within 15 days from the issue of Work Order.

u) Hardware Firewall along with all above features & functionalities should be brand New & no refurbished product to given.

v) All works to be carried out in Admin Building, Near P. L. Deshpande Garden, Sinhadgad Road, Pune-411030 in existing Local area network. MSETCL shall not provide any kind of hardware/software & bidder shall perform work throughout.

4. Quotations with incomplete details submitted without sealing or superscripting not submitted in prescribed format etc. are liable to reject. Offer on fax or e-mail will not be accepted. This office will not be responsible for delay in postal transit. The agency should not submit 'conditional quotation' such conditional offer shall be liable for rejection.

5. The right to place an order for part or to cancel any or all quotations without assigning any reasons is reserved with this office.

6. Validity period of offer should be not less than 120 days from the date of submission of offer.

6. **Agreement:** Bidder has to execute an agreement on **Rs. 500/-** Bond paper & the cost of agreement to be borne by the agency.

7. **Security Deposit:** The successful bidder has to submit Security Deposit @ 10% of the total value of the work order within 7 days from the date of issue of LOI. The amount will be refunded in the normal course of, after expiry of contract period subject to deduction, if any.

10. **Quality of material & Specification:** The bidder will be responsible for quality of material & workmanship.

12. Payment of Bill: Payment will be released against completion of work on actual measurement basis after certification of officer incharge.

- a) Tax invoice in triplicate along with **Guarantee Certificate, MOM/JMC** shall be submitted to E.E.,EHV O&M Div. II, Pune.
- b) Payment will be effected within reasonable time & as per availability of fund.
- c) You would not be entitled to claim any interest on amount payable to you.

13. Taxes and Duties: Taxes will be applicable as per prevailing rate. Statutory deduction shall be made as per applicable.

14. Penalty of execution of work: If you fail to carry out the work within stipulated time as mentioned above, he will be liable to pay penalty @ 1% per week (A week of 7 days or part thereof) subject to maximum limit of 10% of the total value of the order.

17. Applicability of general conditions of contracts: Notwithstanding anything stated herein, the MSETCL's general terms and conditions of contract shall be applicable to the contract, as far as they are applicable to this contract also.

22. Jurisdiction of court: If any dispute or court case arises, then Jurisdiction of court shall be Pune Court only.

23. The rates should be inclusive of all mobilization charges, transportation charges, etc. Also Labour & T&P for the works will be on bidder's account. Required man power and machinery should be arranged by bidder.

Thanking you,

Yours faithfully,

**-Sd-
Mrs. P.U. Raut
Executive Engineer,
EHV O&M Dn-II, Pune**

Schedule 'A'

E-Enquiry for install hardware firewall to computer Local area Network (LAN) under EHV O&M Dn-II, Pune.

Sr. No.	Particular	Qty	Unit	Ex-Work in Rs.	Taxes %	Total Amount in Rs.
1	Supply, Installation, Configuration of 'Hardware firewall with Subscriptions for 1 years' as per 'Scope of Work' at EHV O&M Dn-II, Pune.	1	Number			
2	Support for 'Hardware firewall for 1 years' as per 'Scope of Work' at EHV O&M Dn-II, Pune.	4	Quarter			
3	Supply, Installation of 4U Rack with power supply with FAN	1	Number			

-Sd-
Mrs. P.U. Raut
Executive Engineer,
EHV O&M Dn-II, Pune