



MAHARASHTRA STATE ELECTRICITY
TRANSMISSION CO. LTD
CIN No. U40109MH2005SGCI53646
EHV O&M DIVN-II PUNE-30
MSETCL 220kV PARVATI S/STN.,
NEAR P.L. DESHPANDE GARDEN, SINHGAD ROAD,
PUNE - 411030
☎ - PH.NO.020-29910830 E-mail: ee6120@mahatransco.in



EE/EHV /O&M/PN /Tech-/336

DT: 23.04.2024

ENQUIRY
(Through MSETCL webpage)
TO WHOM SO EVER IT MAY CONCERN

Dear Sir,

The budgetary offers through e-mail are hereby invited for the above work as per Schedule `A' mentioned below:-

Sr. No.	Scope of work	UOM	Ex Rate	Extra Taxes	Unit Rate
	Work of install hardware firewall to computer Local area Network (LAN) under EHV O&M Dn-II, Pune as per attached scope of work.				
1	Supply, Installation, Configuration of 'Hardware firewall with Subscriptions for 1 years' as per 'Scope of Work' at EHV O&M Dn-II, Pune. (User Count: 30 Users)	Number			
2	Support for 'Hardware firewall for 1 years' as per 'Scope of Work' at EHV O&M Dn-II, Pune.	Quarter			
3	Supply, Installation of 4U Rack with power supply with FAN	Number			

Note:- Rate shall be valid for 60 days from the date of submission of offer.

You are requested to quote your best reasonable rate for the above work. The Term & Conditions are as follows.

Terms & Conditions:-

1. The rate should be quoted on firm quotation basis.
2. The rate should be exclusive of all taxes. Taxes should be quoted extra.
3. You are requested to submit your best reasonable budgetary offer as per Schedule 'A' for above works on E-mail ID: **ee6120@mahatransco.in** upto **18:00 Hrs on dtd. 30.04.2024.**
5. Following documents should be submitted along with your offer,
 - Bidder must be 'Computer Hardware & Software Supplier' Agency or Company or Organization.
6. Please note that said budgetary offer is only for estimate purpose & will not be considered for any bidding & No work order will be issued based on this offer.

Thanking you,

Yours Faithfully,

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

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, phishing
 - 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, Sinhagad Road, Pune-411030 in existing Local area network. MSETCL shall not provide any kind of hardware/software& bidder shall perform work throughout.
- w) Bidders are suggested to visit the wok 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.

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