
 <p>MAHATRANSCO Maharashtra State Electricity Transmission Co. Ltd.</p>	<p>MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD Government of Maharashtra (undertaking ) (CIN No. U40109MH2005SGC153646) <b>EHV Projects Division – I</b> <b>3<sup>rd</sup> floor, Administrative Building, 925, Kasbapeth, Juna Bazar Rd, Pune.</b> <b>Contact No. : 020-24579223, 24572129 Fax No. : 24573602</b> <b>Email Id : ee6610@mahatransco.in</b></p>	
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EE/EHVDP-I/PN/T/ 2018

Date: 30.09.2024

### ENQUIRY

**Subject:** -Enquiry for the work of supply, installation and configuration & support of “ New Hardware firewall” along with one year subscription and with 1 year validity (from the date of activation) for EHV PD-1,Pune,EHV PD-II,Pune & EHV CCCM Dn, Pune.

**Dear Sir,**

Sealed and super scribed quotations are invited for the above work on item rate basis, so as to reach this office **on or before Dt. 07.10.2024 upto 17.00 Hrs.** You are requested to quote your reasonable rate for the above work. The terms and conditions are as follows.

#### **INSTRUCTIONS TO BIDDERS:**

Please super scribe the offer with the following details :-

- Quotation for :-
- Due Date :-
- Name of the Bidder :-

- 1) The offer should be submitted in two separate sealed envelopes contained in one main envelope super scribing the subject.

**Envelope 1:** Should contain associated documents/Certificates/proof of qualifying pre-requisite Broachers attested certificate etc such as,

1. GST Registration Certificate
2. PAN Card
3. Valid Registration under shop and establishment Act or NOC of gram panchayat for shop or udyam aadhar certificate.

**Note:-** \* If validity of any license/certificate expires during order period, you will have to renew the same & submit the copy to this office. Payment will be affected for valid period only.

\* In case if any point is not applicable, then please attach the document (Specify on the Letter head of the agency as “Not Applicable”).

**Envelope 2:** Price bid documents: This should contain only price bid in given schedule, not in any other format.

- 1) After verifying full documents /certificated pre-qualification as above in envelope 1,if it is found that ,bidder fulfills the desired prerequisites, then only envelope 2. will be opened. If the same is not meeting the prerequisites, Envelope 2 shall not open.

2) 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.

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

### **TERMS AND CONDITIONS:**

1. **Scope of work :-** The work of supply, installation and configuration & support of " New Hardware firewall" along with one year subscription and with 1 year validity (from the date of activation).
2. **Value of work :-**  
The total value of estimate is Rs.2,10,512/- including GST & LC. Quote above/ below / at par of estimated value.
3. **Rate Validity:-** The offer shall be valid for acceptance for a minimum period of 60 days from the date of submission of the offer. During this period no bidder shall be allowed to withdraw his offer. Such withdrawal during the said period shall result in the forfeiting of SD.
4. **Supervision of work :-** The work shall be under the supervision of undersigned or his representative for this work.
5. The rate in % should be quoted on firm quotation basis. Rates should be inclusive of all taxes & duties.
6. The Schedule "A" duly filled in with the rates quoted as percentage above/below / at par of our estimated rates will be submitted by registered post or in person to the Office of the Executive Engineer, EHV Projects Division-I,Pune .
7. **Security Deposit :-** The successful Bidder shall have to pay 10% of the contract value or in the form of bank guarantee or FDR towards security deposit within 07 days from the date of acceptance of offer/ work order or it will be deducted from RA bill along with interest as per SBI BPLR for concerned period. No interest will be allowed on this S.D. On the breach of contract during contract period, S.D. will be forfeited without assigning any reason. The amount will be refunded in the normal course, after expiry of the contract guarantee/warranty period subject to deduction, if any. If bidder fail to apply within stipulated period, the action as per company's rules will be taken
8. Required labour, tools for this work shall be on contractor's account.
9. **Penalty :-** In case of failure to complete the work as per our description, contractor will be liable to pay penalty at rate 1/2% per week of order value subject to maximum 10% of order value
10. **Payment:-** Payment along with applicable GST shall be made after supply of material as per rate in Schedule "A" due recording and scrutiny of the bill will be done at the Office of Executive Engineer,EHV PD-1,Pune. The paying authority is the Executive Engineer, EHV Project Division-I, Pune. Payment will be made by cheque/ RTGS from EHV Project Division-I, Pune as per availability of funds.
11. **Accident:-** The contractor shall ensure the safety of all the workmen, material and equipment's at work site. The contractor shall be responsible for providing of all safety notices to his labour during

working. If any accident occurs to any person, labour compensation if any is to be paid by the contractor only.

12. Any breakage/damage occurred to MSETCL material/equipment/theft of material if any, asset during the work shall be recovered from your bills as per rules.
13. The contractor shall not be entitled to claim any interest on amount payable to him.
14. You shall not entrust the work on sub-contract/transfer or assign the contract or any part thereof to any third party. In case any deviations observed it will be treated as breach of contract and the contract will be terminated at your entire risk and cost.
15. **Agreement:-** Contractor have to execute an agreement on Rs. 500/- Bond paper & cost of agreement to be borne by the agency.
16. Contractor should be fully aware of the MSETCL's General Condition for execution of work and same is applicable to this contract also. Any of the condition will not exempt you from your liability to be abiding by the same.
17. **Tax Deduction:** - Income Tax (Or whichever is applicable as per the Govt. statutory rules) at source will be deducted from the contractor's bill. The Income Tax registration no. if allotted should be informed to this office. The Xerox Copy of PAN card should be attached with the bill.
18. In case of difference of opinion, misinterpretation of any of the condition of the contract. In connection with or arising out of the condition or during the work period, the decision of the undersigned shall be final and binding on you.
19. **Jurisdiction :-** All disputes, differences related to the tender contract shall be subject to the exclusive of jurisdiction of Pune District court.
20. Onsite 1 years warranty by Bidder is required.
21. All material should be Sealed & to be opened in front of MSETCL Officials.All Item should be bought from single OEM as a Single piece like motherboard etc

Thanking you,

Yours' faithfully,

Encl: schedule "A"  
Annexure "A"

Sd/-  
**(Mahendra Katenge)**  
**Executive Engineer**  
**EHV Projects Division-I Pune**

**Copy s.w.r.to.**

The superintending Engineer,EHV Project Circle Pune

**Copy f.w.c.s.to:-**

1. The Executive Engineer EHV Projects Division-II, Pune
2. .The Executive Engineer EHV CCCM,Division Pune

**Copy to:-**

1. The Manager (F&A), EHV Projects Division-I, Pune.
2. Notice Board/Mahatransco portal

## Annexure”A”

### Scope of Work:

- 1) Supply, Installation, Configuration, and Support of 1 'New Hardware Firewall' along with the following subscriptions, each with a 1-year validity (from the date of activation). This is to cover the needs of three offices located in the same building, each situated on a different floor. The works, features, and functionalities are as below:
  - a) **User Count:** 85-100 Users (count of all three offices).
  - b) Existing BSNL ISP (FIBER OPTIC) to be shifted to fourth floor Civil Division office where this firewall will be install, vendor has to carried out this work with Civil Division ISP also.
- c) **Base Firewall Feature :**
  - i. **Networking and SD-WAN:** Wireless, SD-WAN, application aware routing, traffic shaping
  - ii. **Protection and Performance:** Network Flow FastPath, 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)
- d) **Network Protection:**
  - i. **TLS Inspection:** TLS 1.3 inspection with prepackaged exceptions
  - ii. **DPI engine:** streaming deep-packet inspection
  - iii. **IPS:** Next-gen Intrusion Prevention
  - iv. **ATP:** Advanced Threat Protection Synchronized Security
  - v. **Heartbeat:** integration with Sophos Endpoints to identify and isolate threats
  - vi. **Clientless VPN:** HTML5
  - vii. **SD-RED VPN:** Sophos SD-RED site-to-site VPN. Manage SD-RED devices
  - viii. **Reporting:** Extensive network and threat reporting
- e) **Web Protection:**
  - i. **TLS Inspection:** TLS 1.3 inspection with pre-packaged exceptions
  - ii. **DPI engine:** streaming deep-packet inspection
  - iii. **Web Control:** by user, group, category, URL, keyword
  - iv. **Web Threat Protection:** malware, PUA, malicious JavaScript, pharming
  - v. **App Control:** by user, group, category, risk, and more
  - vi. **Synchronized App Control:** integration with Sophos endpoints to identify unknown apps
  - vii. **Synchronized SD-WAN:** utilizing Synchronized App Control to route unknown apps
  - viii. **Reporting:** Extensive web and app reporting
- f) **Zero-Day Protection:**
  - i. **TLS Inspection:** TLS 1.3 inspection with pre-packaged exceptions
  - ii. **DPI engine:** streaming deep-packet inspection
  - iii. **Zero-Day Threat Protection:** Analyse all unknown files using AI, ML, and sandboxing
  - iv. Cloud-based intelligence and analysis.
  - v. **Machine Learning:** using multiple deep learning models
  - vi. **Cloud Sandboxing:** dynamic run-time analysis of unknown files
  - vii. **Reporting:** Extensive threat intelligence analysis reporting
- g) **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.

**h) Hardware Specifications:**

- i. LAN 1–8: 8 x GbE copper Fixed
- ii. 2 x SFP fiber ports Fixed
- iii. 1 x expansion bay for above setup
- iv. Integrated minimum 120 GB SATA-III SSD
- v. **Bypass port pairs :** 1
- vi. **Management ports:**  
1 x RJ45 MGMT, 1 x COM RJ45, 1 x Micro-USB (cable inclusive)
- vii. **Other I/O ports:**  
2 x USB 3.0 (front), 1 x USB 2.0 (rear)
- viii. **Number of Flexi Port slots :** 1
- ix. **Flexi Port modules : (Optional provision should be there)**  
8 port GbE copper , 8 port GbE SFP fiber, 4 port 10GE SFP+ fiber , 4 port GbE copper bypass (2 pairs) , 4 port GbE copper PoE + 4 port GbE copper, 4 port 2.5 GbE copper PoE
- x. **Display :** Multi-function LCD module
- xi. Power switch , Power supply , USB , Connector for external redundant power supply, Mounting pins for external power supply
- xii. **Size:** 1U rackmount

**i) Performance:**

**Firewall throughput:** Minimum 30,000 Mbps , **Firewall IMIX:** Minimum 15,900 Mbps, **Firewall Latency (64 byte UDP) :** 6  $\mu$ 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

**j) Product Certifications:** CB, CE, UL, FCC, ISED, VCCI, KC, RCM, NOM, Anatel etc.

**k) It should be Rack mounted.**

**l) Bidder shall fully provide & apply, each & every settings in existing Sophos XG 210, like but not limited to Rules & Policies, All Network settings, Routing, Hosts & Services, and VPN Settings, user creation, login software installation etc. These are just illustrative examples.**

**m) Bidder shall apply IP Schema for 512 Private LAN IPs.**

**n) Bidder shall physically install Hardware in existing Rack with required screws, fastener, required GBIC etc. Also, any kind of hardware will be provided by bidder only.**

**o) Bidder shall handover license copy registered in the name of MSETCL after complete installation of Firewall.**

**p) Support:**

- i. Bidder shall provide 24/7 support to MSETCL like but not limited to backup, reinstallation, new policies, new configuration, new rules, new network related things etc. of firewall in full or partially within these 1 years 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.

**q) 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.

**r) License:** Firewall should be licensed to EHV PD-I,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 license shall be 1 years.

**s) Training:** An in-house training of minimum 1 (One) day to EHV PD-I,Pune, MSETCL for day to day operation and maintenance of the application is to be given by the bidder.

**t) 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.

**u) Installation Period:** it is desire to complete the entire installation of Firewall within 15 days.

**v) Operational Acceptance of Application:**

i. Operational acceptance will be started once complete 'Scope of Work' is commissioned/deployed/installed with all resources and live for all users.

ii. Afterwards, bidder will inform to MSETCL by Email to itadmin6000@mahatransco.in and [ee6610@mahatransco.in](mailto:ee6610@mahatransco.in) stating monitoring/start of 'Operational Application'.

iii. Operation Acceptance period will be from 21 days from the next day on which email received from bidder to MSETCL.

iv. During 'Operation Acceptance period', queries, if raised, will be informed to bidder on given email & bidder has to solve the queries immediately & inform to MSETCL on above email Ids.

v. After 21 days, if no issues occurred/observed & all queries have been resolved, MSETCL will inform the bidder about successful 'Operational acceptance of application'.

vi. No 'Operational acceptance of application' will be given till all queries /gaps have been resolved. Also, though 'Operational acceptance of application' is given & if some query/issue is raised during contract period, same will be resolved by bidder fully.

vii. If proposed application fails to pass Operational Acceptance Tests for 3 (Three) attempts, then MSETCL may penalise the vendor as per standard terms and conditions of MSETCL.

viii. Full Scope of the work should be completed & application should be fully functional within 15 days after the issue of Work Order.

- w) Hardware Firewall along with all above features & functionalities should be brand New & no refurbished product to given.
- x) All works to be carried out in Admin Building, Kasaba Peth, MSETCL-411011 in existing Local area network. MSETCL shall not provide any kind of hardware/software & bidder shall perform work throughout.
- y) **Other Important Tender Terms & Conditions in line with standard MSETCL Terms & Conditions:**
  - i. Bidder must be 'Computer Hardware & Software Supplier' Agency or Company or Organization.
  - ii. Bidders are suggested to visit the wok execution site (Admin Building, Kasaba peth, MSETCL, Pune-411011) to have accurate knowledge of IT set up and Scope of Work.

Yours' faithfully,

**Sd/-**  
**(Mahendra Katenge)**  
**Executive Engineer**  
**EHV Projects Division-I Pune**



**Description of Work:** E-Enquiry for Work of supply, installation and configuration & support of “ New Hardware firewall” along with one year subscription and with 1 year validity (from the date of activation).

**Schedule ‘A’**

Sr. No	Particulars	Unit	Qty.	Ex work rate with LC/unit in Rs.	GST 18%	Total amount including GST & LC in Rs.
	<b>Supply</b>					
1	Supply, installation, configuration of Hardware firewall’ along with one year subscription and with 1 year as per scope of work mentioned in “ Annexure A”	Nos	1	158400	28512	186912
	<b>Service</b>					
2.	Support for ‘Hardware firewall for 1 years’ as per scope of work mentioned in “ Annexure A”	Quarter	4	5000	900	23600
Grand total including all taxes						Rs.2,10,512/-

**In words Rs. Two Lacks Ten Thousand Five hundred & Twelve only including all taxes.**

Yours’ faithfully,

Sd/-  
**(Mahendra Katenge)**  
**Executive Engineer**  
**EHV Projects Division-I Pune**



**FORM FOR QUOTING % RATE FOR ITEM INCLUDED IN SHEDULE A FOR**

**Name of Work:** Enquiry for the work of supply, installation and configuration & support of “ New Hardware firewall” along with one year subscription and with1 year validity (from the date of activation) for EHV PD-1,Pune,EHV PD-II,Pune & EHV CCCM Dn, Pune

**Estimated Cost:** Rs. 2,10,512/- including GST & LC.

I am ready to execute the work to

\_\_\_\_\_ % above ( In words \_\_\_\_\_ % above)

\_\_\_\_\_ % below ( In words \_\_\_\_\_ % below)

the estimated cost.

Dated

Signature of Contractor with Seal

Name -----

Address-----

**Note :** 1. If the percentage variation is more than 5% detailed rate analysis should be enclosed.

2. The rate should be inclusive of all taxes.