


 MAHATRANSCO <small>Maharashtra State Electricity Transmission Co. Ltd.</small>	MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD Government of Maharashtra (undertaking) (CIN No. U40109MH2005SGC153646) EHV Projects Division – I 3rd floor, Administrative Building, 925, Kasbapeth, Juna Bazar Rd, Pune. Contact No. : 020-24579223, 24572129 Fax No. : 24573602 Email Id : ee6610@mahatransco.in	 <small>सत्यमेव जयते</small>
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EE/EHVPD-I/PN/T/ 1055

Date: 26.08.2024

1.	Name of Work	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.	SRM RFX no.	7000033022
3.	Estimated Cost	Rs.210512/- including all taxes
4.	Download of E-enquiry Date	Dt.27.08.2024 at 00.00 Hr to 03.09.2024 at 23.59 Hrs.
5.	Closing Date	03.09.2024 at 23.59 Hrs.
6.	Opening of Technical bid	04.09.2024 at 11.00 Hrs. (If possible)
7.	Opening of commercial bid	04.09.2024 at 14.00Hrs. (If possible)
8.	EMD	5000/- refundable (As per system)
9.	Tender Fee	Rs. 118/- including GST (non-refundable)

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

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

To,
<https://srmetender.mahatransco.in>

Sub :- 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).

Sir,

The rates required for above work to our site from the reputed experienced/ registered contractor for the work as described in Schedule ‘A’.

TERMS AND CONDITIONS:-

1) Submission for bids :-

Two bid system should be followed for submitting the offer. Uploading of required documents shall be done on MSETCL’s SRM E-Tender website.

<https://srmetender.mahatransco.in>

A. Techno-commercial bid :- this should contain following documents certificates as a proof of qualifying pre-requisites, brochures, attested certificates etc.

Sr. No.	Name of document Technical/Commercial
1.	Proof regarding payment of E.M.D & E-Tender Fee.
2.	GST Registration Certificate
3.	PAN Card
4.	Valid Registration under shop and establishment Act or NOC of gram panchayat for shop or udyam aadhar certificate.

Note : **1)** In case if any point is not applicable, then please attach the document (Specify on the Letter head of the agency as “Not Applicable”).

2) If validity of any license/certificate expires during order period, you will have to renew the same and submit the copy to this office. Payment will be effected for valid period only. Payment regarding EMD or Tender Fees is paid through online. The EMD amount is refundable (MSETCL not liable to pay any rate of interest on EMD amount to vendor) The tender fee is Non-refundable

B. **Commercial bid** :- Bidder should upload the digitally signed price bid under commercial bid online.

a. Techno-commercial bid will be opened online for all received bids. After verifying the set of documents / certificates submitted in Techno-commercial bid for prequalification as mentioned above, if it is found that, the bidder fulfills the desired pre-requisites, the price bid will be opened online. If the same is not found in order, then meeting the prerequisites, if required. The commercial bid shall not be opened for that vendor.

b. This office reserves all the rights to reject any or all bids without assigning any reason thereof.

c) The Technical Documents should be uploaded in Techno-commercial Bid & commercial documents/offer/price, bid should be uploaded in commercial bid separately. In case both Technical & Commercial are uploaded in one file wrongly the offer will be rejected. And this office will not responsible.

d) Conditional offer will not be accepted.

➤ **Tax Code:**The % GST applicable (Tax Code) as per HSN/SAC has to be selected by the Bidder from General Data Tab under Item Details [Refer the below Table].

Sr. No	Vendor	Tax Code	TAX RATE	DESCRIPTION
1	Vendor within Maharashtra	T0	0%	GST Purchase 0%
2		T1	5%	GST Purchase 5% (SGST+CGST)
3		T3	12%	GST Purchase 12% (SGST+CGST)
4		T5	18%	GST Purchase 18% (SGST+CGST)
5		T7	28%	GST Purchase 28% (SGST+CGST)
6	Vendor Outside Maharashtra	T0	0%	GST Purchase 0%
7		T2	5%	GST Purchase 5% (IGST)
8		T4	12%	GST Purchase 12% (IGST)
9		T6	18%	GST Purchase 18% (IGST)
10		T8	28%	GST Purchase 28% (IGST)
11	Vendor within Maharashtra (In case of Reverse Charge Mechanism)	E0	0%	Reverse charge on expenses GST Cess
12		E1	5%	Reverse charge on expenses 5%(SGST+CGST)
13		E2	12%	Reverse charge on expenses 12%(SGST+CGST)
14		E3	18%	Reverse charge on expenses 18%(SGST+CGST)
15		E4	28%	Reverse charge on expenses 28%(SGST+CGST)
16	Vendor Outside Maharashtra (In case of Reverse Charge Mechanism)	E0	0%	Reverse charge on expenses GST Cess
17		E5	5%	Reverse charge on expenses 5%(IGST)
18		E6	12%	Reverse charge on expenses 12% (IGST)
19		E7	18%	Reverse charge on expenses 18% (IGST)
20		E8	28%	Reverse charge on expenses 28% (IGST)

2. **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.

3. **Supervision of work** :- The work shall be under the supervision of undersigned or his representative for this work.

4. The bidder should quote rates in % only .The bidder should quote basic price exclusive of GST & GST should be quoted separately in appropriate field.
The Estimated cost is Limited Rs.2,10,512/- including all taxes.

5. **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

6. Required labour, tools for this work shall be on contractor's account.
7. **Penalty :-** If the offered work is not completed within the allocated period then penalty @ ½ % of the order value maximum limited to 10% of the order value shall be recovered from the claims of the contractor.
8. **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.
9. **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.
10. 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.
11. The contractor shall not be entitled to claim any interest on amount payable to him.
12. 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.
13. The successful Bidder should execute the Agreement between MSETCL and the contractor within 07 (Seven) days from date of receipt of LOI. The agreement bond of Rs.500/- should borne by you. If you fail to submit the bond of Rs.500/-, the same amount shall be recovered from your bill against purchase of agreement bond.
14. 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.
15. **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.
16. 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.
17. **Jurisdiction :-** Jurisdiction of all suits/ legal proceedings in regards to work against this tender order thereof shall be subjected to the court of Pune.

18. Onsite 1 years warranty by Bidder is required.
19. All material should be Sealed & to be opened in front of MSETCL Officials.
20. 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.r.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

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	SAP Code	Unit	Qty.	Ex work rate with LC/unit	GST 18%	Total amount including GST
	Supply						
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”	500023603	Nos	1	158400	28512	186912
	Service						
2.	Support for ‘Hardware firewall for 1 years’ as per scope of work mentioned in “ Annexure A”	50011166	Quarter	4	5000	900	23600
	Grand Total including all taxes						Rs.210512/-

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

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 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

- 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 licence 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 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 work 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