

From :

Name of Office : The Chief Engineer, EHV PC O&M Zone, Pune.

Office Address : Administrative Building, 3rd floor, Block No.401 & 402, Rasta Peth, Pune-411 011.

Contact No. : 020-26136106/26129913/26137132(P)

Email Id : cepune@mahatransco. in

No.CE/EHV PC O&M/Zone/Pune/T/ 1686

Date: 12.10.2023

E-ENQUIRY (Through MSETCL web page)

Sub: - E- Enquiry for work of ‘Migration of existing Firewall’ Sophos XG 210 with New Hardware firewall (with Supply of Hardware device & Subscriptions) along with Installation, Configuration & Support with 03-years subscription, at Administrative Building, Rasta Peth, MSETCL, Pune.

Dear Sir,

Sealed and Super scribed quotations are invited for the supply as mentioned in schedule ‘A’
You are requested to quote your lowest rate for above. The terms & conditions are as follows-

TERMS & CONDITIONS: -

- 1) The rate should be quoted on firm quotation basis.
- 2) The rate should be inclusive of all taxes and duties applicable.
- 3) The required system shall be as per the specifications mentioned in **Annexure ‘A’**
- 4) Bidder must be ‘Computer Hardware & Software Supplier’ Agency or Company or Organization.
- 5) 10 % Security Deposit will be required to be paid before affecting the supply.
- 6) Payment will be effected with in reasonable period.
- 7) The validity of your quotation should be minimum 03 months.
- 8) Onsite 3 years warranty by Bidder is required.
- 9) All material should be Sealed & to be opened in front of MSETCL Officials.
- 10) Any Upgrade in item should be done in front of MSETCL Officials only.
- 11) All Item should be bought from single OEM as a Single piece like motherboard etc.
- 12) Your sealed quotations should reach this on or before **dttd. 19.10.2023 at 12:00 hrs without fail. Date of opening of quotations is 19.10.2023 at 15.00 Hrs.(Probable) Quotations received after due date & time will not be considered .**
- 12) Following documents should be enclosed along with your offer: **-PAN No., GST Registration Certificate, Shop ACT License.**
- 13) The right to place an order or to cancel without assigning any reason is reserved with this office.

Thanking You.

Enclosed: Schedule “A”

Yours faithfully

SD/-
(Anil Kolap)
Chief Engineer
EHV PC O&M Zone Pune

Copy to:

The AGM (F&A), EHV PC O&M Zone Pune.
MF/Notice Board.

Schedule- 'A'

Sub:- Work of 'Migration of existing Firewall Sophos XG 210 with New Hardware firewall (with Supply of Hardware device & Subscriptions) along with Installation, Configuration & Support with 03-years subscription, at Administrative Building, Rasta Peth, MSETCL, Pune

Sr.No.	Description of Item	Quantity	Unit	Per 1 (One) Unit Exclusive Rate (INR)	Total Exclusive Rate (INR)	GST (%)	GST Amount (INR)	Total Amount (INR)
	A (As per 'Scope of the Work' i.e Annexure 'A')	B	C	D	E = (B*D)	F	G	(E+G)
1	Supply, Installation, Configuration of 'Hardware firewall with Subscriptions for 3 years' as per 'Scope of Work' at EHV PC O&M Zone,Pune,MSETCL.	1	Number					
2	Support for 'Hardware firewall for 3 years' as per 'Scope of Work' at EHV PC O&M Zone,Pune,MSETCL.	12	Quarter					
3	Buyback of existing Sophos XG 210 firewall (This amount will be deducted from above (1+2))	1	Number					
	Total ((1+2) -3)							

SD/-
(Anil Kolap)
Chief Engineer
EHV PC O&M Zone Pune

Annexure 'A'

Scope of Work:-

- 1) Supply, Installation, Configuration & Support of 'New Hardware firewall' along with following subscriptions with 3 years validity (from the date of activation) with following works, features & functionalities:
 - a) **User Count:** For unlimited users.
 - b) Firewall should contain all features & functionalities which are available in existing Sophos XG 210.
 - 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, phishing
 - 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 in existing MSETCL Setup.

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 3 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 3 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 PC O&M Zone, Pune, MSETCL for three years. Certificate of License & Validity, in the name of Chief 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 3 years.
- s) Training:** An in-house training of minimum 1 (One) day to IT Section, EHV PC O&M Zone, 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:** The entire installation of Firewall with existing configuration of Sophos XG 210 to be completed within 15 days from the issue of Work Order.
- 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 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, Rasta 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, Rasta Peth, MSETCL, Pune-411011) to have accurate knowledge of IT set up and Scope of Work.
 - iii. Bidder shall dismantle existing "Sophos XG 210" firewall & buy back value provided by bidder for this Sophos XG 210 will be deducted as per mentioned in Schedule 'A'.