	OFFICE OF THE EXECUTIVE ENGINEER **EHV PROJECTS DIVISION-III, SOLAPUR** **CIN. NO. U40109MH2005SGC153646** M.S.E.T.Co. Ltd, 132 kV, Navives S/Stn. Premises Old mill Compound, Solapur-413001 E-Mail: ee6630@mahatransco.in Phone No. (0217) 2320181	
MAHATRANSCO Maharashtra State Electricity Transmission Co. Ltd.		

No. EE/EHV/PD-III/Solapur/1142   Date: 05/09/2024

E-ENQUIRY for calling Budgetary Offer

Sub: E-enquiry for calling budgetary offers for supply, installation & configuration & support of "New hardware firewall" at EHV PD-III, Solapur.

Dear Sir,

     Sealed and super scribed quotations are invited for the work as per enclosed Schedule 'A' You are requested to quote your lowest rate for above work. The terms & conditions are as follows-

TERMS & CONDITIONS-

1) Rate shall be quoted inclusive of all Taxes.

2) The budgetary offers should be sent under sealed cover duly super scribed as QUOTATION for budgetary offers for supply, installation & configuration & support of "New hardware firewall" at EHV PD-III, Solapur (Enquiry No. _____ be quoted).

3) **Scope of work is**
   a) Supply, installation & configuration of 'Hardware firewall with subscriptions for 1year' as per 'scope of work' at EHV Projects Division-III, Solapur.
   b) Support of 'hardware firewall for one year' as per 'scope of work' at EHV Projects Division-III, Solapur.
   c) Buy back of existing Sophos XG 210 firewall if any.
   d) Detail scope of work is attached herewith.

4) Your budgetary offers should reach this office **on or before Dt.12.09.2024 up to 18:15 Hrs.** and the same will be opened on same day if possible or next working day.

5) Copy of valid documents such as details of firm, PAN Card, GST Certificate, Bombay Shop act license should be enclosed with quotation.

6) No T&P will be provided by MSETCL.

7) Please quote your PAN & GST No. on the quotation.

8) In case of any dispute the decision of the undersigned will be final and binding on the contractor.

9) GST at the prevailing rate on gross amount of bill would be recovered from you.

10) Contractor will have to pay 10% S.D. on value of the work order.

11) Contractor will have to sign and seal at the end of budgetary offer as per schedule A.

12) Over writing, corrections if any, shall have to be initialed by the contractor.

13) The rate should be inclusive of all charges. No extra amount than work order cost will be paid by MSETCL.

14) The right to place an order or to cancel any or all quotations without assigning any reason is reserved with undersigned.

Encl: schedule A.

Thanking you,   Yours faithfully

Sd/-
(Mr. S.F. Deshmukh)
Executive Engineer
EHV Proj. Div-III, Solapur

Copy s.w.r.t:-

- The Superintending Engineer, EHV Projects Circle, Pune

Copy to:-

- The Manager F&A, EHV Projects Division-III, Solapur.
- Notice Board

'Schedule A'

Sub: Sub: E-enquiry for calling budgetary offers for supply, installation & configuration & support of "New hardware firewall" at EHV PD-III, Solapur.

Sr. No.	Description of Item	Qty	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')	B	C	D	E = (B*D)	F	G	(E+G)
1	Supply, Installation, Configuration of 'Hardware firewall with Subscriptions for 1 year' as per 'Scope of Work' at EHV Project Division III Solapur.	1	Number					
2	Support for 'Hardware firewall for 1 year' as per 'Scope of Work' at EHV Project Division III Solapur. .	4	Quarter					
3	Buyback of existing Sophos XG 210 firewall	--	Number					
	Total ((1+2)-3)							

Sd/-

(Mr. S.F. Deshmukh)
Executive Engineer
EHV Proj. Div-III, Solapur

<p align="center">**Scope of Work:**</p>

1) Supply, Installation, Configuration & Support of 'New Hardware firewall' along with following subscriptions with 1 year validity(from the date of activation) with following works, features &functionalities:

a) **User Count:5**0 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 Fast Path, TLS 1.3 inspection, Deep-Packet Inspection
   iii. **SD-WAN and VPN:** SD-WAN, IP sec/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 μs ,**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
     IP sec 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 setting 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 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 year. 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 Project Division III Solapur, MSETCL for one year. Certificate of License & Validity, in the name of Executive Engineer, EHV Project Division III Solapur, 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 year.

s) Training: An in-house training of minimum 1 (One) day to Project Division III Solapur 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) Hardware Firewall along with all above features & functionalities should be brand New& no refurbished product to given.

w) All works to be carried out at EHV Project Division III Solapur in existing Local area network. MSETCL shall not provide any kind of hardware/software& bidder shall perform work throughout.

x) 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 EHV Project Division III Solapur to have accurate knowledge of IT set up and Scope of Work.

Sd/-

(Mr. S.F. Deshmukh)
Executive Engineer
EHV Proj. Div-III, Solapur