

Technical Specifications:

(To be submitted along with technical bid on Company letter head)

Sr. No.	Features	Description
1	Make	Sophos
2	Form Factor (RU)	1
3	Features	Layer 3 - Layer 4,NAT,VPN,Application Visibility and Control (AVC),User Identity, Next Generation Intrusion Prevention System (IPS),Zero Day Protection / Advance Malware protection, Web Security Essentials / URL Filtering
4	Traffic handled	TCP,UDP,HTTP/TCP,TCP/UDP
5	Hardware Architecture & Performance	<p>The appliance hardware should be a multicore CPU architecture with a hardened 64-bit operating system with min. 16 GB memory. It should also have dedicated co-processor with min 4 GB RAM for hardware acceleration for network processing</p> <p>The appliance-based security platform should be capable of providing Next Gen Protection, Application Control, IPS, DOS, SSL/TLS Inspection & zero-day protection in a single appliance.</p> <p>The quoted should have 3000 Mbps SSL/TLS inspection throughput</p> <p>The firewall Security Heartbeat policies can able to limit access to network resources or completely isolate compromised systems until they are cleaned.</p>
6	NGFW Throughput (Measured with Firewall, IPS, Application Control enabled)	12000 Mbps or higher
7	Threat Protection throughput (Measured with Firewall, IPS, Application Control, and Malware Prevention enabled)	10000 Mbps or Higher

8	Concurrent Session / Concurrent Connection	13 million or higher
9	New session/Connection per second	250,000
10	General Management	<p>The firewall should support innovative technology for application acceleration.</p> <p>The quoted solution should be ready for extended Detection & Response (XDR) with endpoint, Server protection product from same OEM. Should have single management console for Firewall, Endpoint, Server, email security and cloud security product.</p> <p>The firewall should include AI-driven static and dynamic file analysis techniques using Cloud based Sandboxing</p> <p>The firewall should have flexible user and group policy options on file type, applications, URLs etc.</p> <p>The firewall should have fully transparent proxy for anti- malware and web-filtering, Enhanced Advanced Threat Protection</p> <p>It Should support for IPSec & SSL remote VPN for mobile devices like android & IOS with MFA</p> <p>It should have minimum 1000 IPSec & 1000 SSL vpn license from day 1.</p> <p>The firewall should support TLS 1.3 Inspection of encrypted traffic.</p>
11	Advanced Security Features	<p>The firewall should have advance Threat Protection (detect and block network traffic attempting to contact command and control servers using multi-layered DNS, and firewall).</p> <p>The firewall should security heartbeat instantly identifies compromised endpoints including the host, user, process, incident count, and time of compromise.</p>

		<p>The firewall should have advanced web malware protection with emulation, Live Protection real-time in-the-cloud lookups for the latest threat intelligence</p> <p>The firewall should have URL Filter database with millions of sites across 90 categories backed by OEM Labs</p>
12	Type of Interface	GE Copper, SFP, SFP+
13	Number of 1 GbE Copper RJ 45 interface from day 1	8 or more
14	Number of 1/10G SFP+ interface from day 1 (Populated with 3 no. 1 GbE Single Mode LC Type Transceivers)	4 or more
15	Number of GbE Small Form-Factor Pluggable (SFP) interface Slot / Module supported for future	6 or more
16	Number of 1/10 GbE SFP+ interface Slot/Module supported for future	2 or more
17	Number of IPsec VPN Peers supported (Site to Site)	1000 or higher
18	Number of IPsec VPN Peers supported (Client to Site)	1000 or higher
19	Number of SSL VPN Peers supported (Client to Site)	1000 or higher
20	Type of Storage Disk	SSD
21	Storage Capacity (GB)	200 or higher

22	Power Supplies from day 1	Single
23	Type of Processor	x86
24	High Availability Support	Yes
25	Interface Expansion slots supported	1 or more
26	Firewall Policies - License	Yes
27	Details of the Firewall Policies for the Firewall provided with the License	Web Security Essentials / URL Filtering, IPS License, Application Visibility License, APT (Advance Persistent Threat) License, Anti Malware Protection, C& C attacks, Geo IP Protection, Zero Day Threat Protection from day 1
28	IPS Signature supported	5000 or higher
29	Security Intelligence	IP,URL, Domain,etc,.
30	Certification	The quoted firewall should have ICSA/EAL4+ certified. MTCTE from TEC India. Certificates/Proofs should be enclosed Proposed NGFW should be Listed in Gartner Magic Quadrant in Network Firewall as per the latest report.
31	Installation and commissioning	The quoted firewall should be capable to restore the existing firewall policies and setting without using third party software. The bidder must configure the firewall as per the scope of work.
32	Documentation	All supporting documents such as datasheet, spec sheet, admin guide etc for the asked features must be enclosed.
33	On site OEM Warranty and License	The firewall should be quoted with 12 months OEM License. License should include Web / URL / Content Filtering, Application Control and Visibility, IPS, Antimalware,

		WAF, Zero-Day Protection & 24 X 7 hardware & warranty support from the OEM. Spec sheet and Data sheet should be enclosed during the delivery of product.
34	Enhancement	Incase if regulatory upgrades the firewall requirements, without any additional or hidden charges the requirement has to be complied by the vendor.

12. Terms & Conditions

1. The License agreement is for a period of 1 year from the date of issue of letter to commence the work and can be further extendable for one year on same terms and conditions.
2. The tenders should be submitted in the prescribed manner as mentioned in Para 7 above regarding **Procedure for Submission**.
3. Tenders with incomplete tenders / tenders without signature in each page are liable to be rejected.
4. For any clarification regarding technical details of Firewall, you may visit our office during working days only between 10 a.m to 5 p.m before the last date of tender submission.
5. Financial bid shall remain valid for a period of 180 days from the date of opening of the Tender.
6. IFIN's Corporate Office reserves the right to accept / reject any quotation without assigning any reason.
7. The Bidder shall quote every item as mentioned in the tender documents. The total bid price shall be inclusive of all applicable taxes, levies and duties. The amount of taxes, levies, duties or any other charges included in the price should be indicated clearly.
8. In case of any default by the bidder in any of the terms & conditions, IFIN has the right to terminate the contract by giving 10 days notice in writing to the bidder.
9. The Courts in Chennai alone shall have exclusive jurisdiction with regard to any matter/dispute relating to or arising out of this contract.
10. Bidder shall in no case lease/transfer/sublet/appoint sub-contractor or care taker to render the services under the Contract. If the firm discontinues the services at any time during the period of contract the security deposit deposited by the firm

shall be forfeited. The charges spent to put the units under running conditions will be recovered from the firm against the payments due to them.

11. The final acceptance of the tender would be entirely vested with the IFIN office, which reserves the right to accept or reject any tender, at any stage of the tender. The decision of the IFIN, in this regard will be final and no disputes in this regard will be entertained.

IFIN, reserves its right to terminate the contract at any time after giving due notice without assigning any reason. The bidder will not be entitled to claim any compensation against such termination. However, while terminating the contract, if any payment is due to the bidder for maintenance services already performed in terms of the contract, these would be paid as per the contract terms.

12. IFIN, shall not be responsible for death, injury or accident to the Bidder's employee also the Bidder should provide all the safety equipment's for their employees. which may arise out of and in the course of their duties at IFIN's premises.

13. Payment of bills:

The total amount of Firewall procurement (Device + OEM License) will be paid once the agreement is signed by the bidder and T.D.S/GST as applicable will be deducted / added.

14. Period of OEM license:

The OEM license will be awarded to IFIN for three years which may be extendable further, on the basis of satisfactory performance of the firm. License agreement will be terminated any time during the pendency of contract, if the service is found unsatisfactory.

15. Force Majeure:

Neither party shall be in breach of any obligation under this contract if it is unable to perform that obligation in whole or part by reason of Force Majeure. If either party seeks to rely on this clause, It shall immediately give notice to the other with full particulars of the matter claimed as a Force Majeure event. The parties so affected shall take all reasonable steps to remedy the failure to perform and to keep the other party informed of the steps being taken to mitigate the effects of Force Majeure. In the event of Force Majeure lasting for more than three months, either party may, following consultation with the other give a notice of termination.

"APPLICATIONS RECEIVED AFTER THE DUE DATE WILL NOT BE ENTERTAINED"