



The Bhabha Atomic Research Centre Employee's Co-op. Credit Society Ltd., Mumbai

(Registration No. 29770)

Ref. No. : BARC / CS / 3220

Date:

17/10/2025

To,

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Subject: Invitation to submit your quotation

Dear Sir,

You are requested to submit your quotation, in sealed envelope for supply, installation, commissioning of Sophos Firewall and 3-year warranty and 24 X 7 support service for the BARC Emp. Co Op Cr. Society Ltd. Trombay Mumbai. The complete quotation shall reach to the undersigned by Speed Post/Registered post, hand delivery on or before 31/10/ 2025

Sr. no.	Description of work	Work completion period
1	Supply, installation, commissioning of Sophos Firewall and 3-year warranty and 24 X 7 support service for the BARC Emp. Co Op Cr. Society Ltd. Trombay Mumbai.	60 days

The terms and conditions are given below:

1. The quotation envelope shall be superscripted with **Description of the work and the Tender Ref. No.**, mentioned above.
2. The complete quotation shall reach the following address on or before **31/10/2025 up to 18.00 hrs.** by **Registered Post/ Speed post/Hand delivery**

Chairman
The BARC Employees Co Op Credit Society Ltd.
Old R5, Shed, BARC, Trombay, Mumbai-400085

3. **Offer of Firm:** Offer of those firms, who do not submit their quotation as per the details given in the technical specification and incomplete quotations in any respect shall not be considered.
4. **The BARC Employees Co Op Credit Society Ltd.** reserves right to extend the date of opening the quotations.

5. **Payment Terms:** The BARC Employees Co Op Credit Society Ltd. shall make full and final payment only after only work completion and submission of delivery challan and Invoice.
6. **Income Tax Recovery Clause:** Income tax as applicable will be deducted from the bill.
7. **Penalty:** Any delay which attributable to the contractor is liable for penalty @ 0.5 % per week (max 5 %) to be imposed on contractor.
8. **GST/VAT/PAN Number:** Quotation shall consist of GST Registration Number, PAN number of the firm, etc.
9. **Quantity Variation Clause:** Quantity variation of $\pm 10\%$ is possible during the execution of the job. Actual payment shall be made based on the actual work carried out by the contractor after completion of entire job.




Hemant Koli
(Chairman)

For, The BARC Employees Co Op Credit Society Ltd. Old R5, Shed, BARC, Trombay, Mumbai-400 085

Annexure – I
Technical Specification Sheet

1. Title: -

Supply, installation, commissioning of Sophos Firewall and 3-year warranty and 24 X 7 support service for the BARC Emp. Co Op Cr. Society Ltd. Trombay Mumbai.

2. Scope of work: -

It involves supply, installation, commissioning of Sophos Firewall and 3-year warranty and 24 X 7 support service for The BARC Emp. Co Op Cr. Society Ltd. Trombay Mumbai. 400 094, for protection of endpoints, servers and network systems from cyber security threats.

It also involves Configuration, testing, and integration with existing infrastructure and post-installation support.

The scope of job also involves following,

- Harden the firewall to mitigate potential security risks and vulnerabilities.
- LAN, WAN, DMZ configuration.
- Configured Web Filter and Application filter policies, IPs and rules.
- Enhance network security by enforcing strict access controls and traffic filtering rules.
- Ensure compliance with industry standards and best practices for firewall management.
- Conduct testing and validation to ensure the effectiveness of the new configuration.
- As per RBI IOC create access rules for IP's and Domain's.
- If required integration of AD for single sign on user authentication.

3. Installation Site: -

The BARC Emp. Co. Op. Cr. Society Ltd. Trombay Mumbai. 400 094

4. Requirements

Firewall make: Sophos Firewall
Model No.: XGS118

5. Quantity Required – 1 Nos.

Firewalls with the following's major features and minimum essential specifications: -

a) Major supported features:

- Antivirus
- Intrusion Prevention System (IPS)
- Web filtering
- E-mail filtering, including protection against spam and grayware
- Data Leak Prevention (DLP)
- Application Control
- Traffic inspection
- Content inspection and filtering
- Security Profiles components
- Security Profiles/lists/sensors
- Logging and reporting

Performance Required	
Firewall throughput	15,500 Mbps
Firewall IMIX	11,000 Mbps
IPS throughput	3,500 Mbps
Threat Protection throughput	3,250 Mbps
NGFW	3,950 Mbps
Concurrent connections	5,500,000
New connections/sec	62,650
IPsec VPN throughput	13,000 Mbps
IPsec VPN concurrent tunnels	1500
SSL VPN concurrent tunnels	1,250
Xstream SSL/TLS Inspection	1,100 Mbps
Xstream SSL/TLS concurrent connections	18432

Physical Interfaces	
Storage (local quarantine/logs)	64 GB UFS 2.1
Ethernet interfaces (fixed)	9 x 2.5 GE copper, 1 x SFP fiber
Power-over-Ethernet (fixed)	0
Management ports	1 x COM RJ45, 1 x Micro-USB (cable incl.)
Other I/O ports	1 x USB 2.0 (front) 1 x USB 3.0 (rear)
Number of expansion slots	1

Physical Specifications	
Mounting	Rackmount
Dimensions: Width X height X depth	320 x 44 x 212 mm
Weight	2.4 kg/5.29 lbs (unpacked) 3.9 kg/8.60 lbs (packed) W-model minimally more)

Environment	
Power supply	External auto-ranging AC-DC, 100-240VAC, 2A@50-60 Hz, 12VDC, 5.42A, 65W, Mandatory redundant power supply
Power consumption	25.5 W/87.01 BTU/hr (118 idle)
Noise level (avg.) Typical/Max. operation	XGS 118 - 17.3/26.9 dBA
Operating temperature	0°C to 40°C (operating)

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
Traffic handled	TCP, UDP, HTTP/TCP, TCP/UDP
	The appliance hardware should be a multicore CPU architecture

	with a hardened 64-bit operating system with min. 32 GB memory. It should also have dedicated co-processor with min 8 GB RAM for hardware acceleration for network processing.
Hardware Architecture & Performance	The appliance-based security platform should be capable of providing Next Gen Web Protection, Application Control, IPS, DOS, SSL/TLS Inspection & zero-day protection in a single appliance.
	The firewall Security Heartbeat policies can able to limit access to network resources or completely isolate compromised systems until they are cleaned. Firewall should be IPv6, SD-WAN from day 1
NGFW Throughput (Measured with Firewall, IPS, Application Control enabled)	22000 Mbps or higher
Threat Protection throughput (Measured with Firewall, IPS, Application Control, and Malware Prevention enabled)	4500 Mbps or Higher
Concurrent Session	15 M or higher
General Management	The firewall should support innovative technology for application acceleration.
	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.
	The firewall should include exploit prevention and Crypto guard Protection technology from endpoint security
	The firewall should have optional data centre selection and flexible user and group policy options on file type, exclusions, and actions on analysis
	The firewall should have fully transparent proxy for anti- malware and web-filtering, Enhanced Advanced Threat Protection
	It Single client support for IPSec & SSL remote VPN with unlimited free mobile authenticator for android & IOS
	It should have minimum 1000 IPSec & 1000 SSL client license from day 1. The firewall should support TLS 1.3 inspection of encrypted traffic.
Type of Interface	GE Copper, SFP, SFP+
Number of 1 GbE Copper RJ 45 interface from day 1	8 or more
Number of 1/10G SFP+ interface from day 1 (Populated with 3 no. 1 GbE Single Mode LC Type Transceivers)	4 or more

Type of Storage Disk	SSD
Storage Capacity (GB)	240 or higher
Firewall Policies - License	Yes
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) and Web & Application Firewall (WAF) from day 1
Security Intelligence	IP, URL, Domain
Certification	The quoted firewall should have ICASA/EAL4+ certified. /NSS/NDPP Lab certified or equivalent certificate with minimum 93% security effectiveness as per last report. Certificates should be enclosed. The quoted firewall should have purpose-built, streamlined user interface and rule management for large rule sets with grouping with at-a-glance rule feature and enforcement indicators. Proposed NGFW should be in Gartner Magic Quadrant in Network Firewall as per the latest report.
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.
Documentation	All supporting documents such as datasheet, spec sheet, admin guide etc for the asked features must be enclosed.
On site OEM Warranty and License	All supporting documents such as datasheet, spec sheet, admin guide, certificates etc must be enclosed. 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.