



INDIAN STATISTICAL INSTITUTE
203, Barrackpore Trunk Road
Kolkata 700108

Ref. No.: CSSC/24-25/001

Date: 18 April, 2024

Notice Inviting Expression of Interest (EoI)

Indian Statistical Institute (ISI) is currently considering procurement of Network Security Appliance (NG-Firewall) to be installed at the Computer & Statistical Service Centre (CSSC) of its Kolkata campus. Companies/agencies having relevant experiences are requested to submit their proposed solution from reputed OEMs, strictly adhering to the formats given in both ANNEXURE-I and ANNEXURE-II of this EoI notice. The scope of work includes supply, installation, commissioning and testing of the Firewall, including integration of the same with the Institute's existing network infrastructure.

Interested organizations are requested to send their techno-commercial (budgetary) proposals of the Firewall solution, along with the related literature to headcssc@isical.ac.in, with a copy to csscoffice@isical.ac.in latest by 5:00 PM of 30 April, 2024. Respective OEMs may be invited to give a presentation on their proposed solution and the date for the same will be communicated over email in due course.

Important Note: Participating OEMs/agencies are required to quote the Firewall models in adherence to the provisions of Public Procurement (e.g., Preference to Make in India), GoI.

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ANNEXURE-I

| Parameter | Specification | Remarks |
|-----------------------------------|--|--|
| Type of Appliance | On-Premise, Physical at most 2RU form factor | YES/NO |
| System Specification | Should have at least 08 core Intel Xeon processor with at least 2.1 GHz as base frequency, with 16 GB RAM and 500 GB SSD. Should have at least 8 x 1 Gbps Ethernet, 4 x 10 Gbps SFP+ , excluding dedicated management Ethernet port Should be equipped with redundant power supply | Please give complete specification of the system |
| Stateful Packet Inspection (SPI) | Should have stateful connection tracking with at-least 2,00,000 concurrent connections with adjustable state timeout value | Please give complete feature description. Also specify whether comes with base model or additional license required. |
| Deep Packet Inspection (DPI) | Should support at-least 2,00,000 connections for at least following protocols, but not limited to TCP, UDP, ICMP, HTTP, HTTPS, FTP, SMTP, POP3, IMAP DPI Signature Updates must take at least once a day | Please give complete feature description. Also specify whether comes with base model or additional license required. Please mention if you do not support any these protocols. |
| Intrusion Prevention System (IPS) | Should have at least 5 Gbps throughput, with signature update at least on daily basis | Please give complete feature description. Also specify whether comes with base model or additional license required. |
| Content Filtering | Should support filtering based on both URL and IP of HTTP(S) traffic based on OEM published list as well as user defined list. | Please give complete feature description. Also specify whether comes with base model or additional license required. |
| Virtual Private Network (VPN) | Should support at least 500 concurrent SSL VPN Connections, and 20 Concurrent IPsec VPN with at least 2 Gbps Throughput: SSL VPN should support integration with external LDAP provider | Please give complete feature description. Also specify whether comes with base model or additional license required. |

| | | |
|----------------------------------|---|---|
| Advanced Threat Protection | Should have bi-directional Stream-based malware scanning, along with Sandboxing feature | Please give complete feature description. Also specify whether comes with base model or additional license required. |
| Performance Requirements | Should have overall throughput at-least 10 Gbps with at least at-least 2,00,000 concurrent Sessions | Please give complete feature description. Also specify whether comes with base model or additional license required. |
| LUT/CAM for NAT and ACL | Should have sufficient sized LUT/CAM for implementing ACL and NAT for 2500 users. | Please give complete feature description. Also specify whether comes with base model or additional license required. |
| High Availability and Redundancy | Active/Active Configuration with automatic failover for uninterrupted service | Please give complete feature description. Also specify whether comes with base model or additional license required. |
| Warranty | 3 years onsite comprehensive warranty subscription for hardware, software and licenses, End of life should be at least 7 years from the publishing of tender. | Please give complete information regarding points mentioned |

ANNEXURE-II

Format for Techno-commercial Bid (to be filled-in by the bidder)

| Parameter | Specification |
|---|--|
| Make and Model | |
| Feature declaration | Whether “ Remarks” column of ANNEX-I contains full specification of the product against each of the mentioned features YES/NO |
| Description of Base system | |
| List of features bundled with the base model | 1. |
| | 2. |
| | 3. |
| | 4. |
| | 5. |
| | <i>Feel free to add rows if you want</i> |
| Price of base model (hardware appliance with bundled features) excluding GST | |
| Description of additional licenses/modules (may not be limited to specification as given ANNEXURE-I) | |
| Name of the features along with brief description | Price (excl. GST) |
| 1. | |
| 2. | |
| 3. | |
| 4. | |
| | <i>Feel free to add rows if you want</i> |
| Total price (excluding GST) | |