Indira Gandhi Institute of Development Research(IGIDR)

Supply, Installation, Testing, Commissioning and Configuration of UTM Firewall

IGIDR is an advance research institute established by Reserve Bank of India . It spread across 15 Acers of land and entire campus is inter-connected with WiFi, LAN, connecting around 150 desktops and laptops. IGIDR is an academic institute and offers MSc./MPhil/PhD courses on development economics. The total WiFi devices connected currently around 800 devices including all mobile, tablet, latop, desktop, and smart TV and other devices. The two internet leased line connection are from TATA communication (50 Mbps) and NKN (100 mbps).

IGIDR invites sealed quotations from the authorized IT vendors for UTM Firewall. Please offer your lowest rates for the Supply, Installation, Testing, Commissioning and Configuration of UTM Firewall at IGIDR,MUMBAI as per detailed in the enclosed Annexure 'A'. The terms and conditions may please be studied before submission of the bid. You should submit the bid well in advance instead of waiting till last date.

The vendors are requested to submit their proposal in two sealed envelopes, one for technical bid as per annexure 'A' and one for commercial bid as per annexure 'B' with proper lable. Please drop the sealed quotation in the "Tender box" kept at Administration department by **22 September 2017 before 5:00 p.m.**

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The Registrar

Indira Gandhi Institute of Development Research,

Gen. A.K.Vaidya Marg, Santosh Nagar

Goregaon (E)

Mumbai - 400 065 INDIA

GENERAL TERMS & CONDITIONS

1. The UTM firewall should be appliance based and rack mountable.

2. The configuration of the UTM firewall appliance derive fullest functionalities mentioned in Annexure 'A' - Technical Specifications for UTM firewall

3. Both the UTM Firewall appliance should be deployed in Hybrid Mode to ensure minimum configuration changes (existing Routers and switches) and downtime.

4. High Availability should be configured on LAN interface of Firewall for high availability. Primary firewall should be configured as Active and Secondary should be configured as Auxiliary appliance which would take over if the Primary fails ensuring no down time

5. The Company/Agency shall be responsible for providing all materials, equipment's, and services, specified or otherwise, which are required to fulfill the intent of ensuring operability, maintainability, and reliability of the complete equipment covered under this specification within his quoted price. This work shall be in compliance with all applicable standards, statutory regulations and safety requirements in force of the date of award of this contract.

Warranty and support:
The warranty shall be:
On-site, comprehensive, back-to-back from Original Equipment Manufacturer (OEM) **for a period of 3 years** from the date of acceptance of the equipment. The warranty also includes all software subscriptions (critical hot fixes, service packs, and major upgrades etc). During the warranty period, the bidder shall attend to all failures relating to software installation, configuration, management and performance. During the warranty period of you will replace/repair free of cost if material found defective in coordination with OEM. The warranty would be on-site and comprehensive in nature

Manufacturer's warranty in respect of proper design, quality and workmanship of all the systems supplied.
Replacement of failed hardware within 24hrs from the time call is lodged.

Hardware Support   : Repair / replace the faulty parts etc of the equipment. The part to be replace should be Original and from OEM only.
    Support Window   : 24 X 7 supports
    Response   : 4 Hrs.
    Resolution Time   : 24 Hrs. or Next Business Day
    Call Registration Process : Telephonic or Email.

Technical Support: You will provide onsite services for any technical problem in the executed work for the period of Three Year.

The Vendor shall provide a clear-cut escalation matrix to IGIDR for support.

Testing:

   (i)   **System Functional Tests:**

       These tests shall rigorously exercise all functions and devices, both individually and collectively, and shall verify the correct functional operation of all hardware and software.

       These tests shall as a minimum include the following system tests:

- Automatic Switchover in case of failure

- Verification of all user interfaces

- Verification of model maintenance capabilities

- Verification that the open system standards and design guidelines required by the Work Statement have been met.

   (ii)   **System Performance Tests:**

- These tests shall verify that the specified performance requirements are met for the system under test.

- Simulation shall be provided by the Supplier, if necessary, to create the operating conditions for the different scenarios.

       Completion of the system performance tests shall require successfully performing the specified performance tests and resolution, to IGIDR's satisfaction, of all non-conformance's discovered during the tests.

Packing: The material shall be packed suitably for Rail/Road worthy packing as per standard practice.

No extra charges for transportation, T&P, labour, packing, insurance, excise, material etc. will be paid, it will be arranged by you only.

Training: Training shall be provided to IGIDR personnel for all feature of UTM appliance.

Terms of payments: 90% payment will be made within 30 days, after supply, installation, testing, commissioning and configuration of all material, balance 10% on submission of performance bank guarantee for warranty period.

Submission of bid

Bids must be in two parts, I.e. Part-I (Technical) and Part-II (Commercial Bid).

1. Technical bid

Firm should be a registered company under the Indian Companies Act and authorized sales partner of OEM.

Under Technical bid, the bidder should attach the following documents:-

1. Certificate of Incorporation.
2. PAN registration certificate.
3. **Manufacturer's Authorisation Certificate(MAF):** Authorisation letter from OEM that OEM will supply the hardware through the Bidder. Authorisation letter(MAF) should be in original and from OEM directly.
4. The proposed UTM appliance should have at least one of the following Certification EAL4+ / ICSA / NSS-Lab. Bidder has to submit necessary document for the same.
5. The proposed UTM should be a leader in Latest Gartner's Magic Quadrant for UTM. Bidder has to submit necessary document for the same.
6. Audited annual accounts including balance sheets and other financial statements for **Last three Financial Years .**
7. **Annexure "A'" compliance sheet**

Bidder should submit detailed catalogue/Data Sheet/literature of the quoted product.

2. Commercial Bid

This should contain only price bid of the bidder.

1. **Bidder has to fill in the rate he desires to quote as per the requirement**

2. The price should be in INR and shall be written both in figures & words in the prescribed offer format (annexure "B").
3. Incomplete and/or conditional bids shall be liable to rejection.
4. Any variation arises between the unit rate and the corresponding quoted total cost then the unit rate will prevail for calculating the total cost.
5. If there is a discrepancy between amount in words and figures, the amount in words will prevail.

6. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

The firm should clearly mention for any taxes, duties, levies, freight, forwarding and installation in **annexure "B"**. Otherwise the rates quoted by the firm shall be considered inclusive of all taxes.

Acceptance of Bid: The company does not bind to accept the lowest or any bid neither will any reasons be assigned for rejection of any tender. It is also not binding on the company to disclose any analysis report of tender.

IGIDR reserves its right to reject any or all the offers without assigning any reason thereof whatsoever also reserves the right to re-tender.

Annexure- A

Technical Specification

(i)Technical Specification for UTM firewall:

Note: Please Specify Make and Model of offered UTM Firewall and attach Data Sheet.

Sr. No	TECHNICAL SPECIFICAITONS AND STANDARDS FOR UNIFIED THREAT MANAGEMENT	Compliance (Yes/No)	Remarks (if any)
A	Firewall Requirements		
1	Proposed solution should be hardware based appliance and rack mountable		
2	The proposed appliance should have at least one of the following certifications EAL4+ / ICSA / NSS-Lab.		
3	The proposed solution should support High Availability Active-Active, active-passive		
4	The proposed UTM should be a leader in Latest Gartner's Magic Quadrant for UTM.		
5	OEM should have support Centre in India.		
B	**Appliance Throughput**		
1	Firewall throughput should be minimum of 20 Gbps.		
2	Minimum 5 million Concurrent sessions.		
3	Minimum 4 Gbps of IPS throughput.		
4	Minimum 1.5 lakh New Sessions/second		
5	Minimum 2 Gbps of IPsec VPN throughput		
6	Minimum of 4 Gbps of NGFW throughput		
7	Minimum of 500 IPsec Site to Site tunnel support and 500 SSL VPN user support. License for the same should be included in the BOM.		
8	Minimum of 6 x GBE Interfaces and 2 x GE SFP with expansion slot to accommodate more ports if required.		
C	**General Features**		
1	Identity based Firewall.		
2	Intrusion Prevention System.		
3	Gateway Anti-virus		
4	Web Content & Application Filtering.		
5	Bandwidth Management.		
6	Solution should include Appliance Reporting and retaining log for 6 months before rewriting.		

7	High Availability (Active-Active & Active-Passive)			
8	Network: OSPF, Round Robin load balance, RIPv2, BGP, equal & unequal cost load balance, High Availability, QoS, etc. Round Robin Balance, Server Load Balancing.			
9	User authentication through AD,Radius,Local,LDAP			
10	Country Based Blocking, FQDN support and should support MIX mode deployment.			
11	Support for Netflow /Sflow ,			
D	**Gateway Antivirus, Anti-Spyware:**			
1	Virus, Worm, Trojan Detection and Removal, Automatic Virus signature database update, Real-Time blacklist, MIME header check, Zero hour Virus outbreak protection. Should have dual AV engine.			
E	**Web and Application Filtering**:			
1	URL, Keyword, File type block, Block Java applets, cookies, ActiveX, Block malware, phishing, pharming URL, block P2P application, anonymous proxies, WAF, Customized block on group basis. Minimum of 75 categories with more than 160 million URLS supported. 2000+ application support categorized into Characteristics, Technology, Category and Risk Level.			
2	The proposed solution can work as a standalone HTTP proxy server with integrated Firewall, Anti-Virus, , Content filtering, IPS.			
F	**Security Features**			
1	**Intrusion Prevention System (IPS):** For different attacks like Mail Attack, FTP Attack, HTTP Attack, DNS Attack, ICPM Attack, TCP/IP Attack,			

	DOS and DDOS Attack, Source and Destination NAT, TelNet Attack. Signatures: Default (5000+), Custom, IPS Policies: Multiple, Custom, User-based policy creation, Automatic real-time updates , Protocol Anomaly Detection.			
2	**Advance Threat Protection:** Advanced Threat Protection (Detect and block network traffic attempting to contact command and control servers using multi-layered DNS, AFC, and firewall).			
3	**VPN:** IPsec, L2TP, PPTP and SSL as a part of Basic Appliance, VPN redundancy, Hub and Spoke support, 3DES, DES, AES, MD5,SHA1 Hash algorithms, IPsec NAT Transversal.			

4	**Load Balance:** For Automated Failover/Failback, Multi-WAN failover, WRR based Load Balancing. High availability: Active-Active. QoS, OSPF, RIPv2, BGP, Policy routing based on Application and User support Round Robin Load Balancing.		
5	**Bandwidth Management:** Application and user identity based bandwidth management, Multi WAN bandwidth reporting, Guaranteed and Burstable bandwidth policy. Bandwidth for User, Group, Firewall Rule, URL and Applications.		
H	**Monitoring and Reporting System:**		
1	Solution includes Web Based reporting,, Monitoring & Logging, **Monitoring suspicious activity and alerts,** Graphical real-time and historical monitoring, email notification of reports, viruses and attacks reports. IPS, Web filter, Antivirus, system reports. IP and User basis report, Compliance reports and drilled down reports on the appliance.		
2	Should provide User Threat Quotient (UTQ) or Similar feature report for actionable security intelligence, helping Administrators identify risky users with ease within the organization's network.		
I	**License for UTM (Unified Threat Management)**		
1	Three Year round the clock support for Gate Way Antivirus, spyware, content and application filtering. IPS, reporting and support, Upgrades.(24*7 Support license). License period will be counted after activation.		
J	**Warranty** Minimum Three years Onsite warranty		

Bill of Materials /PRICE SCHEDULE for financial bid

Sr. No	Item Description	Qty	Unit Rate	Total Rate	Taxes	Total Price (inclusive of all taxes, duties, freight etc)
1	UTM **Firewall** **Model :** Technical Specification **as per** Annexure-A	2				
2	Licensing of Subscription for features of UTM **Firewall** for Three **Years and 24*7 Support** Technical Specification **as per** Annexure-A	1				
3	Buyback of Existing Cyberoam 100iNG	1				
	GRAND TOTAL					

Total price in Words: