

No.F NID-AP/IT/1104

NOTICE INVITING QUOTATION

1. Sealed item rate quotations are invited for the work of "Providing and supplying "Next Generation Firewall/UTM, Quantity -1" at NID AP" from experienced agencies.
2. NIQ documents may be downloaded from the website www.nid.ac.in from 11.02.2020 to 18.02.2020 and the downloaded documents shall be submitted to the office of the Senior Engineer (Land, Building and Maintenance), National Institute of Design, Andhra Pradesh, EEE &ECE Building, Ground floor, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur (A.P.)-522510 on all working day up to 18.02.2020, 02:00 PM and will be opened at 05:00 PM. on the same day.
3. The submitted documents shall only be opened subject to fulfilment of following conditions:-
 - 3.1 Agencies shall submit the NIQ document in two sealed envelopes in the following manner:-

Envelope -1

1. Copy of PAN Card
2. Registration certificate under Good and Service TAX(GSTIN)
3. Duly signed NIQ Document **Annexure-1 Technical Specification**

Envelope -2 (Financial bid of technically qualified bidders shall only be opened)

1. Duly signed NIQ Document **Annexure-2 Financial bid**

Envelope — 3

Both envelopes should be enclosed in a common Envelope-III. In case Envelope-1 is not annexed then Envelope- II containing NIQ document

Other Conditions are as follows:

1. NIQ documents should be sent in sealed envelope/cover. The envelope/cover should be addressed to office of the Senior Engineer (Land, Building and Maintenance), National Institute of Design, Andhra Pradesh , EEE &ECE Building , Ground floor , Acharya Nagarjuna University, Nagarjuna Nagar , Guntur (A.P.)-522510
2. Time for completion of work shall be within 10 days from the date of receiving the work order.
3. GST, if to be charged, should be specified clearly and separately.
4. PAN/ Bank Account Detail i.e. Account Number, Bank Name, Branch and IFSC Code must be clearly mentioned.
5. Rate quoted should be inclusive of all cost of materials labour charges etc and nothing extra shall be payable on this account
6. Kindly clearly mention your terms and conditions, if any.
7. Any damage done to the equipment during the transportation shall be on part of Supplier.

NID-AP

Annexure-1:- Technical Specification(Technical Bid)

Sr.	Description	Compliance Yes/no	Remarks
	<u>The Network Security Gateway Appliance should have the following features:-</u>		
1.	<u>Identity based Firewall & Intrusion Prevention System. With below minimum specifications:</u> Firewall Throughput: 12 Gbps or higher Concurrent Sessions: 11,000,000 or higher New Sessions per Second: 150000 or higher UTM/NGFW Throughput: 3.2 Gbps or higher Anti-Virus Throughput: Higher than 2.55 Gbps IPS Throughput: Higher than 5 Gbps VPN Throughput: 2.2 Gbps or higher Storage SSD: 240 GB or Higher No. of IPSec VPN Users: 2500 or higher No. of SSL VPN Users: 500 or higher <u>Hardware:</u> Ethernet Ports - 8, 4 port 10/40 GbE SFP+		
2.	<u>Gateway Antivirus, Anti-Spyware and Anti-Spam:</u> Virus, Worm, Trojan Detection and Removal, Spyware, Malware, Phishing Protection, Pharming Protection, Bot Protection, Automatic Virus signature database update, Real-Time blacklist, Scans HTTP, HTTPS, FTP, SMTP/S, POP3, IMAP, Block files based on their type, Threat ,Logs with action, Inbound &Outband Scanning, MIME header check.		
3.	<u>Content Filtering:</u> URL, IP, Keyword, Port, Application and Geography based blocking. File type block, Block Java applets, cookies, ActiveX, Block malware, phishing, Pharming URL, block torrent & opensource application, anonymous proxies, Customized block on group/user/ip/mac basis, Bypass sites without authentication, Application Visibility and Control		
4.	<u>Vulnerability Assessment:</u> Scans LAN Devices for vulnerability, Generates summary and detailed reports of found possible threats		
5.	<u>Network& Traffic Management:</u> OSPF,load balance,RIPv2, BGP, Policy Routing, QoS etc, Server Load Balancing, Country Based Blocking, FQDN support and should support MIX mode deployment, Authentication feature for data integrity, Packet Capturing, IP Summary, Live Connection Details, Port Forwarding, NAT, Web Proxy, Interface Management& its policies, Deep packet inspection		
6.	<u>Intrusion Detection & Prevention:</u> Signatures: Default (20000+), Custom, IPS actions: Recommended, Allow & Drop packet, SCADA aware IPS with pre-defined category for ICS &SCADA signatures, Automatic Signature updates via Cloud Protocol Anomaly Detection, Ransomware		
7.	<u>Web Application Firewall (WAF)/Server Protection:</u> Site path routing to define real web servers, ensuring incoming requests are forwarded, Reverse Authentication verification when a real web server does not support authentication, Ensures user needs to authenticate once if multiple real web servers assigned to a virtual server, Supports HTML rewriting, antivirus scanning, and SQL injection/XSS protection		
8.	<u>Load Balancing</u> • Supports two or more ISP Links • Deliver combined bandwidth output (LAG) • Define traffic priority to links • Ensure failovers – Redirect traffic to active gateways <u>High Availability</u> • Active-Active • Active-Passive with state synchronizations • Stateful Failover to Keep-Alive Sessions		

Stamp & Signature
of authorized person

9.	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.		
10.	Web Application Firewall (WAF)		
11.	Captive Portal Capabilities: Captive portals Personalize Captive Page, customize captive form input fields, Mobile/Desktop Responsive Login Page, MAC based Auto Login		
12.	Data Leakage Prevention: Email Leakage Prevention, Web Leakage Prevention Instant Messenger Leakage Prevention Encrypted HTTPS/SSL Protocol Leakage Prevention		
13.	User Management Easy Migration- Import/Export data •Create User Groups & apply policies. •Create users ,Block Users •Switch users from one group to other, •Block Users•Authentication via Local Database,&: Active Directory, eDirectory, RADIUS, LDAP and TACACS+		
14.	Virtual Private Network SSL VPN - TCP/UDP Tunnelling • IPsec, L2TP, PPTP • Encryption – 3DES, DES, AES, Twofish, Blowfish, Serpent • Hash Algorithms - MD5, SHA-1, SHA-2 • Authentication - Preshared key, Digital Certificates • Diffie Hellman Groups - 1, 2, 5, 14, 15, 16, 17, 18, 25, 26, 19, 20, 21, 31 • Threat Free Tunnelling(TFT), Hub & Spoke VPN Support, IPsec NAT Traversal • Dead Peer Detection & PFS Support • SSL Authentication – AD, LDAP, Radius, Local • Multi- Layer Client Authentication - certificate, Username/Password • Network Access - Split and Full Tunnelling • Granular Access Control to all network resources • Administrative controls - Session Timeout, Dead Peer Detection • TCP based Application Access - HTTP, HTTPS, RDP, TELNET, SSH • User and Group policy enforcement • SSL VPN Tunnelling Client • IPsec Failover		
15.	System Management Daily/Weekly/Monthly Backup/Restore/Erase • Auto/Manual backup of User & Threat Logs • Enable appliance Access & server remote access • Set Time Zone, SMTP Email • Integrate Syslog, SNMP, N• Enable Alert Management on Email.		
16.	Device Management Add all networking devices and get alert if they are down.		
17.	License for UTM (Unified Threat Management): Three years for Gateway Antivirus, spyware, Anti-spam, content and application filtering, IPS and 24x7 support. License period will be counted after activation.		
18.	Support and Warranty: Three years warranty for software and hardware from the date of commissioning		

	Item	Unit	Make	Model
19	Next Generation Firewall / UTM	1		

Note:

- Please provide the detailed Technical Specifications of the Devices being quoted.
- Compulsorily mention the Make and model of devices being quoted.
- Please clearly mentioned the duration of Warranty.

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Annexure 2- Financial bid

To
The Senior Engineer (LBM)
National Institute of Design
Andhra Pradesh.

QUOTING THE RATE FOR "NEXT GENERATION FIREWALL/UTM QUANTITY -1

Make _____ Model _____

Duration of Warranty _____ Duration of Support _____

Quoted BID Amount	In Rupees	In words
Total Amount for Installation, Configuring, Commissioning, Testing of Device.		
GST @		
Total Amount Inclusive Of All Effective Taxes		

Remark _____

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