



RAJGIR, Dist- Nalanda (BIHAR) PIN-803116

Tender No.: **NIT/NU/2015-16/14**

To,

M/s _____

Sealed tenders are invited under two bid system, viz. Technical Bid and Financial Bid from manufacturers/System Integrator/dealers of computer, telecommunication system suppliers for supply, installation and maintenance of the following items :-

A: Next Generation (NG) Firewall System.

Sl. No	Name of items	Qty.
1.	Supply, installation and commissioning of NG Firewall.	02
2.	48 Port Managed L3 Switch.	01

(Detailed configuration of above items may be downloaded from Nalanda University Website i.e. www.nalandauniv.edu.in under the section "Tenders.")

Bidders have to deposit the tender fee of Rs.1000 (One Thousand only) and Earnest Money Deposit (EMD) Rs.24000 (Twenty four Thousands only) for in the form of Demand Draft/Banker's Cheque drawn in favour of "**Nalanda University**" payable at Rajgir.

The tender, complete in all respects, should be submitted in sealed envelope addressed to the **Registrar, Nalanda University, Rajgir, Dist- Nalanda(BIHAR) PIN-803116** must be dropped in the Tender Box placed in the Reception Office, Nalanda University, Chabilapur Road, Rajgir, Dist- Nalanda(BIHAR) on or before 22.03.2016 upto 1430 hrs.

The Nalanda University, Rajgir reserves the right to amend or withdraw any of the terms and conditions contained in the tender document or to reject any or all the tenders in whole or in part without giving any notice or assigning any reason. Further Addendum/Corrigendum, if any, will be uploaded onto Website of Nalanda University only. The decision of university in this regard, shall be final and binding on all.

Nalanda University, Rajgir intends to procure NG Firewall System through advertised tender. The details of Tender Enquiry is as under:

1. Minimum eligibility criteria of the Bidders:

- Bidders should have registered service center office at Patna/Gaya for replacement of faulty equipment in next working days.
- Bidders if not OEM, should have authorization from manufacturers.

- iii. Bidder should have minimum three years of experience of supplying Computer Hardware/Services in bulk to Departments/Ministries of the Government of India/PSUs.
- iv. Bidders should have minimum turnover of Rs.35 Lakh per year during each of the last three financial years. .
- v. Bidders should not have been blacklisted by Departments/Ministries of the Govt. of India.
- vi. The bidder must have infrastructure support i.e. service center/franchise/OEM service center. The bidder must submit the details of their infrastructure with reference to locations, technical manpower availability, inventory of spare, etc. and also indicate their business model for providing warranty and after sale support.

2. **Technical Bid**

The Bidders are required to submit technical bid enclosing therewith photocopies of the following documents, failing which their bids will be summarily rejected and will not be considered any further:-

- i. Registration Certificate of the firm/proprietorship, etc.
- ii. Copy of CST/VAT/TIN/Service Tax Registration Certificates;
- iii. Copy of PAN/GIR Card.
- iv. Copies of Income Tax Return filed for the last three financial years;
- v. Copies of audited A/c statement of Balance Sheets and Profit & Loss A/c for last three financial years;
- vi. Original copy of authorization from manufacturer for supply, installation and warranty support in case the firm is not an Original Equipment Manufacturer (OEM) of the item (Annexure-IV).
- vii. Proof of supply to Government Departments/PSUs for last three years. Two copies of POs value of Rs. 10 lakh each with proof of the supply the items should be enclosed.
- viii. Copy of DGS&D Registration Certificate, if registered with them.
- ix. Declaration regarding blacklisting or otherwise (Annexure-II).

The above information shall be furnished by the bidder as per (Annexure-V). The firm may be asked to furnish original documents to verify the authenticity of the documents at any point of time.

- x. Valid quality assurance certificate for quoted products with validity date from a certifying institution.
- xi. The technical bid should give the product matching specifications given in the Annexure –I. If there is any deviation, it may be clearly indicated in the technical bid (Annexure-I). The Technical Committee may reject the bid, if the deviation from the technical specifications is not acceptable to the technical committee.

3. **Financial Bid**

- i. The financial bids (Annexure-VI) of only technically qualified bidders will be opened in the presence of their representatives on a specified date and time.
- ii. The rates/prices should be quoted in Indian Rupees only in words as well as figures. Excise duty, sales tax, VAT, packing, forwarding, etc., as applicable should be quoted separately. If these levies are included in the price quoted without giving the break up details, such bids will summarily be rejected.

- iii. Only one price should be quoted for each item and if more than one price is quoted under different options, the higher /highest rate quoted by him only will be valid and considered for evaluation.
- iv. There will be no negotiation regarding the financial bid.
- v. In case of decrease in prices, the benefit shall be passed on to the Nalanda University, Rajgir. No claim for compensation or loss due to fluctuations in currency rates or any other reasons/causes shall be entertained.
- vi. Price should be quoted FOD (Free delivery at Nalanda University, Rajgir).

4. **Submission of Bid**

- i. The bid shall be written in English only.
- ii. The bid prepared by the bidder shall comprise of technical bids and financial bid.
- iii. Bid may be submitted in the following manner:

(a) Envelop No. 1- Shall contain the bid EMD. On the top of envelope must be suprescribed "EMD".

(b) Envelop No. 2- Shall contain all the information and documents in the same serial order as shown in the **technical bid**. On the top of envelope must be suprescribed "Technical Bid".

(c) Envelop No.3- Shall contain the rates/prices of the items duly filled in (schedule of rates) and signed and stamped. On the top of envelope must be suprescribed "Financial Bid".

(Please note that the price should not be indicated in any of the documents enclosed in envelope 1 & 2).

- iv. All the envelopes must be suprescribed "**Tender for Supply, installation and commissioning of NG Firewall System**" with due date and time and shall be **sealed in fourth envelope** and addressed to the **Registrar, Nalanda University, Rajgir, Dist- Nalanda (BIHAR) PIN-803116**. The Tender must reach on or before 22.03.2016 upto 1430 hrs. hrs.-If the date on which the tender is opened for acceptance is declared to be a holiday, the tenders shall be deemed to remain open for acceptance till the next working day.
- v. Incomplete and conditional tender will be rejected.
- vi. Bids must be deposited/ dropped in the **Tender Box** placed in the Reception Office, Nalanda University, Chabilapur Road, Rajgir, Dist- Nalanda (BIHAR) on or before 22.03.2016 upto 1430 hrs..
- vii. All the envelopes shall indicate the name and address of the bidder to enable the bid to be returned, if required.

(No other method/means of submission of bid except as stated above shall be acceptable. **All the documents submitted in the bid must be legible and self-attested. Otherwise the bid is likely to be rejected.**

5. No bid will be received/accepted after the expiry of the prescribed date and time for submission of the bids.

6. Bid Security/Earnest Money Deposit (EMD)

- i. EMD of Rs.24000 (Twenty Four Thousands only) in the form of Demand Draft /Banker's Cheque from any scheduled bank drawn in favour of "Nalanda University" payable at Rajgir shall be submitted in a separate envelope as stated in para 4 (iii) above. The bidder may write the tender no., name and address of the bidder on the reverse of EMD Draft/Banker's Cheque.
- ii. Cheque/Money Order/Cash/BG shall not be accepted as EMD.
- iii. The EMD may be forfeited, if a Bidder withdraw his bid during the period of bid validity, specified by the Bidder in the Bid and/or on submission of false documents/undertaking.
- iv. A bid received without EMD shall be rejected as non-responsive at the bid opening stage and returned to the bidder unopened.
- v. Bid will be rejected and returned to the bidder, if EMD is found to be of lesser amount or EMD is not submitted in the manner prescribed therefor.
- vi. The submission of EMD is compulsory for all the bidders and no exemption will be granted for submission of EMD in any case.
- vii. The bid security is normally to remain valid for a period of forty-five days beyond the final bid validity period.
- viii. The bid security of the unsuccessful bidder will be returned to them within 30 days after finalization and award of the tender without any interest.

7. The bid shall be typed or printed. All pages of the bid document shall be numbered consecutively and shall be signed by the bidder as proof of having read the contents therein and in acceptance thereof.

8. Opening of Bid

- i. Envelop No. 1 containing the bid security (EMD) shall be opened by Nalanda University on 22.03.2016 upto 1430 hrs. The bidder representatives are required to bring photo identity cards issued by the firm/employer and also a copy of the authorization as given in Annexure-III. If the bid security/EMD is not found as prescribed, the bid shall be summarily rejected.
- ii. Envelop No.2 containing the technical bid shall then be opened and serially numbered. The bidder's name, documents submitted/not submitted and such other details shall be announced at the time of bid opening. The bid committee shall examine/evaluate the technical bids to determine whether they fulfill the eligibility criteria and have submitted the requisite documents and terms & conditions specified in the tender documents. The bid committee shall see that matching specifications have been quoted by the bidder and if found in order, the financial bids of technically qualified bidders only will be recommended for opening and consideration by the bid committee.
- iii. Envelop No.3 containing the sealed price bid of firm whose bid is technically found to be in order (after completion of analysis of the technical bids). The technically qualified bidders would be intimated through email/ by uploading onto Nalanda University Website under the section „Tender“. Only summary of prices quoted by the bidders will be read out.

9. Validity of Bid

Bid shall be valid for a period of 120 days from the date of opening of Technical Bid.

10. **Award of Tender**

The tender shall be awarded to the lowest bidder (LQ1) for supply of the required items and shall have to sign an agreement for warranty support/other related services.

11. **Performance Bank Guarantee (PBG)**

The successful bidder have to deposit Performance Bank Guarantee (PBG) at the rate of 10% of the total cost before signing of the contract/**issue of purchase order** for supply of item in the form of DD/Fixed Deposit /Cash Challan payable in favour of **"Nalanda University" payable at Rajgir** or Bank Guarantee of the same value from a Nationalized Bank. The EMD will be refunded to the firm after depositing the PBG. The PBG will remain valid for a period of 3 years 60 days or beyond the date of completion of all contractual obligations of supply. If there is any dues against the firm, the same may be deducted from the PBG. PBG can be withheld or forfeited in full or in part in case of unsatisfactory service maintenance during warranty/Full Service Maintenance Agreement period. **No interest shall be payable on PBG.**

12. **Warranty and maintenance**

The bidder shall provide comprehensive onsite warranty of 3 years with subscriptions. The period of **comprehensive onsite warranty** will start from the date of installation of items but not later than 30 days from the date of supply of items in the, Rajgir. The bidders shall furnish and undertaking from OEM of the concerned product that they shall supply spares for the quoted product for the 5 years after warranty period.

13. **Supply, Commissioning / installation, Payment and Penalty**

- i. The delivery of material under order shall require to be made within four weeks from the date of placement of order and its installation, commissioning and testing shall require to be completed within further 2 weeks. Total project work completion time six weeks including supply, installation, commissioning and testing of IP-PBX System & Cabling services.
- ii. The items may be delivered FOB Nalanda University, Rajgir. No octroi, freight, insurance, etc. shall be paid by the Nalanda University, Rajgir.
- iii. The Goods supplied under the Contract shall be fully insured—in a freely convertible currency from an eligible country—against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the tender.
- iv. If the firm/supplier fails to deliver the store/items or any consignment thereof, without any valid reason, within the period prescribed for delivery, the Nalanda University, Rajgir shall be entitled to recover 0.5% of the value of the delayed supply with reference to the delivery date given in the Purchase Order upto 15 days and thereafter at the rate of 1% of the value of delayed supply up to four week. Thereafter, the Purchase Order may be canceled and cancellation charge of 2% of the value of unsupplied items would be charged.
- v. Commissioning/ Installation shall be made by the firm within 15 days after the delivery.
- vi. A Bill giving details of Sales Tax/VAT Registration Nos. etc. may be submitted to Nalanda University office at Rajgir for settlement.

- vii. Payment would be processed on 60:20 on timely supply, installation and commissioning and remaining 20 percent after satisfactory operation for 3 months.
- viii. No advance payment will be made in any case.

14. Repeat order (s)

Nalanda University, Rajgir reserve the right to procure any of the items in this tender through repeat order (s) on LQ1 bidder at LQ1 rates and as per terms and conditions of this tender limited upto 25% of the initial purchase order value for a period of 6 months from the date of issue of initial purchase orders which may be extended for a period of another 3 months at the sole discretion of University.

15. GENERAL TERMS & CONDITIONS OF THE TENDER

The following terms & conditions shall apply in connection with the supply of computer equipment:

- i. The complaint should invariably be attended to by the firm within 4 hours of lodging the same and must be resolved within 24 hours. The engineer of the firm/OEM will attend the complaint at the location of the item (s).
- ii. Delivery/installation of the item (s) at Nalanda University, Rajgir shall be arranged by the firm at their own cost.
- iii. The firm may be **blacklisted** for further business with Nalanda University, Rajgir owing to nonperformance of satisfactory and timely service.
- iv. If there is any damage during transportation/installation, the same would be borne by the supplier firm. The damaged item should be replaced by the supplier.
- v. Quantity of items given in the financial bid is approximate, which may likely vary.
- vi. The tender document is not transferable.
- vii. University also reserves the right to place the order in installments.

16. Clarifications.

In case of bidder requires any clarification regarding the tender documents, they are advised to submit their queries to IT and Computers department of Nalanda University through e-mail i.e. itproc@nalandauniv.com on or before one week of last date. No irrelevant query will be entertained.

17. Nalanda University, Rajgir reserves the right to accept or reject all bids including the lowest at any time prior to award of purchase order without assigning any reason. The Nalanda University, Rajgir also reserves the right to amend or withdraw any of the terms and conditions contained in the tender document or to reject any or all the tenders in whole or in part without giving any notice or assigning any reason.

18 Dispute Redressal

All disputes, differences and questions arising out of the Tender Enquiry shall be referred to the sole arbitrator appointed by the Nalanda University. The arbitration shall be in accordance with the Arbitration and Conciliation Act, 1996. The arbitrator shall be entitled to extend the time of arbitration proceedings with consent of the parties. The award of the arbitration shall be binding on both the parties. All disputes in this connection shall be settled in Nalanda district jurisdiction only.

Technical Bid:

General Requirements:

The Tenderer must specify item wise compliance to Technical Specifications supported by OEM's product manuals, technical brochure for the offered system.

- a) The model and make of the offered product must be clearly specified against each item.
- b) If the tenderer is not the original manufacturer of equipment, then the original manufacturer must submit an undertaking indicating:
 - i. Equipment's will be supplied to the tenderer as per technical specification of the tender for the subject work.
 - ii. Supervise the installation of equipment and training of NU officials at site.
 - iii. Commitment to supply spares for a minimum period of 5 (five) years from the date of commissioning of entire Network.
 - iv. Guarantee to support till the entire commissioning of the work as per the scope of work.
- c) The installation of the ordered system must be carried out without disturbing the ongoing working of the existing associated systems. All materials required to execute the work are to be carried by the Bidder at the site at his own cost.
- d) Obtaining of licenses in addition to the existing licenses or any other statutory requirement for installation and working of all equipment is tenderer responsibility.
- e) All works must be executed under direct supervision of qualified Engineer from vendor side in consultation with NU.
- f) Guarantee to support till the entire commissioning of the work as per the scope of work.
- g) All works pertaining to schedule of works of the tender are required to be completed within 2 months from the date of issue of supply order.

Scope of Work:

Section A: Supply, installation and commissioning of NG Firewall.

1. Planning, Designing, Supply, Installation, integration, configuration, commissioning & maintenance of network setup starting from head end (Central/Core Switch) and up to access level switches (tail end) including Distribution Switches and all other associated circuits.
2. Integration & Configuration of all servers with Core Switches. Servers that need to be connected to core switches through DMZ ports of Firewalls are: Web servers, Compute servers, Proxy servers, Mail servers, storage and all other associated hardware. In view of the future server deployments, it should be scalable.
3. Configuration of layer 7 devices with core switches and all other associated hardware including Gigabit switches etc.
4. Bidders must cover any other associated work (if any) in order to install, commission, integration and configuration of the entire Network setup which is not mentioned in this tender document.

5. The supplied NG firewall must be present in the Latest Leaders Quadrant of Enterprise Network Firewall in Gartner's Report.
6. The vendor must ensure the clean power supply using proper Earthling and UPS.
7. Documentation for the work must be supplied by the vendor. It should contain the followings:
 - i. Deliverables
 - ii. Network Architecture
 - iii. Configuration of whole system.
 - iv. Status of all equipment.
 - v. Others (if required).

Bill of Quantity

Sl. No	Name of items	Qty.
1.	Supply, installation and commissioning of NG Firewall.	02
2.	48 Port Managed L3 Switch.	01

Sincerely,

Director (Administration)
Nalanda University, Rajgir,
Dist- Nalanda (BIHAR) PIN-803116

Minimum Specifications

Next Generation Firewall System		
Sr. No.	Descriptions	Complied (Yes/No)
	The proposed solution should match following criteria:-	
1	Total 8 number 10/100/1000 interface + 2 x 10 GbE SFP Fiber port available.	
2	Total 1 open slot to Support 8 port GE copper/8 port GE SFP/ 2 port 10 GE SFP+ Modules (Optional if required). MultiCore Processor based with Networking Specilized Cores and 'Fixed Form Factor' / 'Chassis with Hot-Pluggable-Module' based hardware.	
3	Hard drive (local quarantine/logs) : 170 GB Flash/SSD or more	
4	Firewall Throughput should be 15 Gbps or more	
5	VPN Throughput should be 2.5 Gbps or more	
6	IPS Throughput should be 4.5 Gbps or more	
7	Anti-Virus Throughput should be 1 Gbps or more	
8	Concurrent Connections should be 5500000 or more	
9	New Connections /Sec should be 82000 or more	
10	Maximum Licensed Users should be unrestricted	
11	UTM should support Endpoint security features if required in future.	
12	General Management	
13	Customizable Dashboard and SNMP Support	
14	Software/Hardware Based UTM Manager to manage multiple UTM devices.	
15	Manually Or fully automated backup & restore options	
16	Firewall	
17	The proposed solution should be standalone appliance with hardened OS.	
18	The proposed solution should be ICSA certified firewall.	
19	Should Support NAT static, masquerade (dynamic).	
20	Should Support Full configuration of DNS, DHCP and NTP	
21	Should Support Routing: static, multicast (PIM-SM) and dynamic (BGP, OSPF)	
22	Should Support WAN link balancing: Internet connections, auto-link health check, automatic failover, automatic and weighted balancing and granular multipath rules	
23	Should Support QoS with full control over bandwidth pools and download throttling using Stochastic Fairness Queuing and Random Early Detection on inbound traffic.	
24	Should Have IPv6 support ready	
25	Should Support VoIP handling for SIP and H.323 connections	
26	Should Have Reverse Proxy & URL Hardening Engine	

27	Should Have Deep-linking control, Directory traversal prevention, SQL injection protection, Cross-site scripting protection.	
28	HTTPS (SSL) encryption offloading	
29	IPS	
30	Intrusion protection: Deep packet inspection engine.	
31	Should Have Selective IPS patterns for maximum performance and protection	
32	Should Support IPS pattern aging algorithm for optimal performance	
33	Should Have Flood protection: DoS, DDoS and port scan blocking	
34	Should Support Country traffic Identification and Control with separate inbound/outbound setting and exceptions.	
35	Advanced Threat Protection	
36	Should Detect and block network traffic attempting to contact command and control servers using DNS, AFC, HTTP Proxy and firewall	
37	Should Identify infected hosts on the network and contain their network activity	
38	Should Have Selective sandboxing of suspicious code to determine malicious intent	
39	Web Protection	
40	Advance URL Filter database	
41	Application Control: Accurate signatures and Layer 7 patterns	
42	Dynamic application control based on productivity or risk threshold	
43	View traffic in real-time, choose to block or shape	
44	Malware scanning: HTTP/S, FTP and web-based email via dual independent antivirus engines block all forms of viruses, web malware, trojans and spyware	
45	Fully transparent HTTPS filtering of URLs	
46	Advanced web malware protection with JavaScript emulation	
47	Live Protection real-time in-the-cloud lookups for the latest threat intelligence	
48	Potentially unwanted application (PUA) download blocking	
49	Malicious URL reputation filtering backed by Global Labs	
50	Reputation threshold: set the reputation threshold a website requires to be accessible from internal network	
51	Active content filter: File extension, MIME type, JavaScript, ActiveX, Java and Flash.	
52	YouTube for Schools enforcement	
53	Should Have Safe Search enforcement	
54	Should Support Authentication: Active Directory, eDirectory, LDAP, RADIUS, TACACS+ and local database	
55	Custom categorization to override categories or create custom categories	
56	Policy testing tool for URLs, times, users and other parameters	
57	Customizable block pages	
58	Email Protection/ Anti Spam	

59	Reputation service with spam outbreak monitoring based on patented Recurrent- Pattern-Detection technology	
60	Advanced spam detection techniques: RBL, heuristics, SPF checking, BATV, URL scanning, grey listing, RDNS/HELO checks, expression filter and recipient verification	
61	Block spam and malware during the SMTP transaction	
62	Detects phishing URLs within e-mails	
63	Global & per-user domain and address black/white lists	
64	E-mail scanning with SMTP and POP3 support	
65	Archived and compressed attachment scanning with deep-level support	
66	Quarantine unscannable or over-sized messages	
67	Filter mail for unlimited domains and mailboxes	
68	Automatic signature and pattern updates	
69	Completely transparent, no additional software or client required for Email Encryption.	
70	PGP key server support	
71	Allows content/virus scanning even for encrypted e-mails	
72	DLP engine with automatic scanning of emails and attachments for sensitive data	
73	User-quarantine reports mailed out daily at customizable times	
74	Customizable User Portal for end-user mail management, in 15 languages	
75	PDF and CSV exporting of reports	
76	Customizable email footers and disclaimers	
77	VPN	
78	PPTP, L2TP, SSL, IPsec, HTML5-based and Cisco client-based remote user VPNs, as well as IPsec, SSL, Amazon VPC-based site-to-site tunnels	
79	Authentication: Pre-Shared Key (PSK), PKI (X.509), Smartcards, Token and XAUTH	
80	Encryption: AES (128/192/256), DES, 3DES (112/168), Blowfish, RSA (up to 2048Bit), DH groups 1/2/5/14, MD5 and SHA-256/384/512	
81	Intelligent split-tunnelling for optimum traffic routing	
82	NAT-traversal support	
83	Client-monitor for graphical overview of connection status	
84	Multilingual: German, English and French	
85	IPsec Tunnel Binding	
86	Should Support Proven SSL-(TLS)-based security	
87	Ssl VPN Should have support for iOS and Android	
88	Should Have True clientless HTML5 VPN portal for accessing applications securely from a browser on any device	
89	Logging & Reporting	
90	Logging: Remote syslog, nightly rotation, email/ftp/ SMB/SSH archiving and log management service	
91	On-box reporting: Packet filter, intrusion protection, bandwidth and day/week/month/year scales	

92	Hundreds of on-box reports	
93	Per-user tracking and auditing	
94	Web log searching parameters per user, URL or action	
95	Full transaction log of all activity in human-readable format	
96	PDF and CSV exporting of reports	
97	Executive report scheduling and archiving	
98	High Availability	
99	Zero-config active/active, active/passive high- availability	
Switch-48 Port		
Sr.No	DESCRIPTION	Complied (Yes/No)
	Physical Configuration	
1	Shall Support 48 RJ-45 10/100/1000BASE-T ports,	
2	Shall be loaded single mode 10 km, 4 SFP+ (10G Ports) and 1 USB port	
3	Shall support Hardware Stacking upto 8 Switch with 320 Aggregate bandwidth and redundant Internal/external power supply	
	Performance	
4	Shall be Switching Capacity 176 Gbps,MAC Address Table Size 16K	
5	Shall be Forwarding Rate 130.94 Mpps,Jumbo Frames 10K	
	L2 Features	
6	Shall Support IEEE 802.1W ,IEEE802.1S And Shall Support BPDU Guard,BPDU Filtering, Root Guard BPDU Transparent Loopback Detection	
7	Shall Supports 4K IEEE 802.1Q VLANs, Port-based ,GVRP,IEEE 802.1v Protocol-based VLANs, Mac based VLANs, IP subnet based VLAN	
8	shall support Traffic Segmentation per port, Guest VLAN, Support Voice VLANs	
9	shall Support VLAN Trunking, MVR (Multicast VLAN Registration)	
10	Shall be Static Trunk, IEEE 802.3ad Link Aggregation Control Protocol	
11	shall support Trunk groups: 16,Trunk links: 2~8 ports for Gigabit Ethernet ports	
12	shall support Load balance based on MAC SA/DA, Ethertype, SIP, DIP,	
13	shall support IGMP v1/v2/v3 snooping, IGMP Proxy reporting, IGMP Filtering, IGMP Throttling, IGMP Immediate Leave, IGMP Querier	
14	Shall Supports QinQ, Supports select QinQ, Remote Port Mirroring (RSPAN),VLAN Mirroring,MAC Based Mirroring	
	QoS Features	
16	Shall be CoSIEEE 802.1p , DSCP,IP PRESEDENCE	
17	Shall be H/W Queues 8 (8 egress queues per port), Priority Queue Scheduling WRR , Strict Priority,Hybrid	
	Security Features	
18	Shall support Dynamic VLAN Assignment, Auto QoS, MAC authentication, Web authentication, IEEE	
19	802.1X port based and MAC based authentication	
20	IP extended access control list (Source/Destination IP, Protocol, TCP/UDP port number) ACL, Mac Base ACL	

21	DHCP Snooping, DHCP Option 82, IP Source Guard, Dynamic ARP Inspection, Instruction lock (link detection),PPPoE Intermediate Agent	
22	Shall support ERPS protocol, IEEE 802.3ah link ,IEEE 802.1ag ,ITU-T Y.1731	
23	shall be RADIUS authentication, TACACS+ 3.0	
24	Rate Limiting (ingress and egress, per port base) GE: Resolution 64 Kbps ~ 1000 Mbps	
25	Shall support RIPv1,RIPv2,OSPF v1,V2 &V3 and BGP V4 & BGP4+ Management Features	
26	shall support Supports dual image, Multiple configuration files	
27	shall Supports RMON (groups 1, 2, 3 and 9)	
28	shall Supports Port mirroring,Vlan Mirror, Supports sFlow	
29	Event/Error Log/Syslog, Remote log(RFC3164), SMTP	
30	Shall support DHCP dynamic provision option 66,67	
31	All the switch IOS shall be same industry grade CLI support for simple Management.	
32	Shall support traceroute on IPV4 and IPV6 and remote Ping command	
33	Shall support NTP protocol and DOS attack prevention	
	IPv6 Features	
34	Shall be IPv4/IPv6 dual protocol stack,IPv6 Neighbour Discovery, HTTP,SNMP,SSH over IPv6,IPv6 ACL	
35	Shall support PIM-DM6,PIM-SM6 , IPv6 static route IPv6 DiffServ,IPv6 ACL support ,IPv6 Source Guard, RA Guard, IPv6 ND Snooping, MLD Snooping v1/v2	
	Temperature:	
36	Shall support 0°C to 45°C operating temperature.	
37	Shall support -40°C to 70°C (-40 °F to 158 °F) non-operating	
38	Shall support Humidity: 10% to 90% (non-condensing)	
	Power Supply & Certification	
39	Shall support 100 to 240 V, 50-60 Hz	
40	Shall support CE and CB certificate	
41	Shall support EMISSIONS,FCC Class A,VCCI Class A	
42	Shall be RoHs and UL certified	
43	Shall be ISO9001-14001 registered company product	
Note	All switches and modules should be of same make	

NALANDA UNIVERSITY, RAJGIR
Dist- Nalanda (BIHAR) PIN-803116

DECLARATION

From

To

Registrar,
Nalanda University, Rajgir
Dist. Nalanda (BIHAR)

Sir/Madam,

I/We have read and understood the contents of the Tender and agree to abide by the terms and conditions of this Tender Document.

2. I/We also confirm that in the event of my/our tender being accepted, I/We hereby undertake to furnish Performance Guarantee, as applicable, in the form of Demand Draft/ Fixed deposit/Bank Guarantee within the stipulated period.

3. I/We hereby declare that neither firm nor any of the Proprietor /Partner/Director of the firm have ever been black listed/suspended for business by any Department of Government of India/ Public Undertaking.

Yours faithfully,

Dated_____

Signature, name & address
of authorized signatory of the firm with seal

(This certificate has to be attested by a Registered Notary, Govt. of India, to be submitted on a Non Judicial stamp Paper of Rs.100/-)

NALANDA UNIVERSITY, RAJGIR
Dist- Nalanda (BIHAR) PIN-803116

LETTER OF AUTHORIZATION FOR ATTENDING THE BID OPENING

Sub. Authorization for attending the technical bid opening onand financial bid onof the tender for procurement of the Computer Hardware.

The under mentioned person is hereby authorized to attend the bid opening for the tender mentioned above on behalf of M/s (name of the bidder)

Name

specimen signature

Alternative representative

Name

specimen signature

Signature of the bidder/ authorized signatory of the firm with seal

To ,

Sub: OEM"s Authorized Partners for this Tender.

Sir,

I/We _____ (Bidder/OEM) having my/our registered office _____ (address of the OEM) am/are an established manufacturer of _____ (name of quoted items). I/we _____ (name of bidder/OEM) solely authorize

(Name of the bidders/OEM"s authorized partner) to supply, install and provide warranty support on our quoted product for above mentioned tender. I/we have established that above authorized partners meet all tender eligibility conditions defined for OEM"s authorized partners. I/we also have entered in an agreement with our all authorized partners that they will supply, install and provide warranty support for this tender on behalf of us.

2. Our full support is extended in all respects for supply, onsite warranty and maintenance of our products. I/we also ensure to provide the service support for the supplied equipment for a period of _____ years from date of installation of the equipment as per tender terms & conditions.

3. I/we also undertake that in case of default in execution of this tender by the any of authorised partners viz _____ (name of the authorized partners), the _____ (Bidder/OEM)) shall take all liabilities and responsibilities and necessary steps for successful execution of maintenance/service support.

For _____ (name of) Bidder/OEM

(Authorized signatory) Name & Designation: _____

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by legal head or HR Head or CS of OEM. This may be enclosed with the bid. Any modification done to the above format will not be acceptable.

ANNEXURE -V

NALANDA UNIVERSITY, RAJGIR
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ELIGIBILITY CRITERIA

1. Name of the bidder:
2. Address of the bidder:
3. Contact details of the bidder:
 - (a) Tele No. with STD Code (O)_____FAX No._____
 - (b) Mobile No._____
 - (c) E-mail_____ (d) Website_____
4. Name of Proprietor/Partner/Director of the firm:
5. Copy of Registration Certificate as per existing norms (indicating legal status company/partnership firm/proprietorship, etc.)
6. CST/VAT/TIN/Service Tax registration details (attach copies of the documents).
7. Copy of Permanent Account Number (Income Tax).
8. Copies of Income Tax Returns, filed for the last three years.
9. Annual turnover for the last three years (Audited a/c statements/balance sheet should be attached).
10. Copy of DGS&D registration certificate, if registered with them.
11. Copy of authorized distributor/dealer of the OEM for the product (Annexure-IV).
12. Proof of supply the items to Govt. Deptt./PSU (copies of two POs (Value Rs. 20 lakh each) received from each of them for the last three years should be enclosed).
13. Declaration regarding blacklisting or otherwise by the Govt. Deptts. as given in Annexure-IV
14. The tender document (all pages) duly signed and stamped by the bidder (all pages should be numbered).
15. Duly filled in authorization for attending the bid opening (Annexure-III).

I/we_____certify that the information furnished above is true and correct. The terms & conditions are acceptable to us.

Dated_____

Signature, name & address

of authorised signatory of the firm with seal _____

ANNEXURE VI

NALANDA UNIVERSITY, RAJGIR Dist- Nalanda (BIHAR) PIN-803116

Tender Document

Sr. No.	Work Description	Unit	Qty	(Ex -works Cost)		ED			Bihar VAT			Unit rate (Including all taxes and duties)	Total Amount of material (Including all taxes and duties)	Unit rate of installation & commissioning	Service Tax			Unit rate of installation & commissioning (Including all taxes)	Amount of installation & commissioning (Including all taxes)	Total amount including supply, installation & commissioning (N+T)
				Cost per Unit	Total Amount in Rs.	Rate in %	Cost per Unit in Rs.	Total Amount in Rs.	Rate in %	Cost per Unit in Rs.	Total Amount in Rs.				Rate in %	Cost per Unit	Total Amount in Rs.			
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	NG Firewall System with subscription	No.	2																	
2	48 Port Managed L3 Switch.	No.	1																	
2	Total																			