

**JAWAHAR VIDYA MANDIR****SHYAMALI, RANCHI – 834002**

CBSE AFF.NO.-3430004

School No.:66230

Ph.:2411221, 2411665

जवाहर विद्या मंदिर, श्यामली, राँची- 834002

No. JVM/OT-09/2022-23

Date: 03.03.2023

INVITATION TO TENDER (ITT)

Subject: Tender for Supply & Installation of Appliance based Next Generation Firewall (NGFW) System at Jawahar Vidya Mandir, Shyamali, Ranchi.

Salient Features of the Invitation to Tender

1	Tender Enquiry No. & Date	JVM/OT-09/2022-23, Dated 03.03.2023
2	Description	Supply & Installation of Appliance based Next Generation Firewall (NGFW) System at Jawahar Vidya Mandir, Shyamali, Ranchi.
3	Due date & time of submission of tender document	By 16.03.2023 at 12.30 P.M.
4	Date & Time of Opening of Tender	On 16.03.2023 at 1.00 pm. The representatives from the Bidder may be present while opening of the tender.
5	Pre-Bid Meeting	NIL
6	Validity of tender	03 (Three) months from the due date of opening of Techno-Commercial part of the tender document.
7	Completion Time	One month from the date of issue of work order.
8	Earnest Money Deposit	Rs. 5000/- (Five thousand) only
10	Cost of the tender document	Rs. 500/- (Five hundred only)



Signature
03/03/2023

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No. JVM/OT-09/2022-23

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INVITATION TO TENDER

Subject: Tender for Supply & Installation of Next Gen Firewall (NGFW) at Jawahar Vidya Mandir, Shyamali, Ranchi

Sealed tenders are invited from firms (on official letterheads) duly filled in Annexure – I & II for award of Supply & Installation of Next Gen Firewall (NGFW) at Jawahar Vidya Mandir, Shyamali, Ranchi as listed in Annexure – I from registered, reputed, experienced and eligible firms who have executed similar nature of work in Schools/ Institutions/Organizations and satisfying all the terms and conditions in this tender document.

1.0 Instructions to Bidder

- 1.1 Tenders are invited in two bid system (i) Techno-commercial Bid & (ii) Price Bid. The 'Techno-commercial Bid' will be made and put in the first envelope containing the title '**Techno-commercial Bid**'. It should contain full information as required in Annexure – I & II and documents mentioned in eligibility criteria 2.0. The 'Price Bid' will be made and put in the second envelope containing the title '**Price Bid**'. It could include full information as required in Annexure – III. Both bids should be put in the third envelope which should be prominently super-scribed as "**TENDERS FOR SUPPLY & INSTALLATION OF NEXT GEN FIREWALL (NGFW) AT JAWAHAR VIDYA MANDIR, SHYAMALI, RANCHI.**" and addressed to "The Principal, Jawahar Vidya Mandir, Shyamali colony, Ranchi – 834002" on or before **16.03.2023** till **12.30 PM**. The tenders will be opened on the same date at **1.00PM** on **16.03.2023**.
- 1.2 Tenders received after due date and time mentioned above, as well as those received without separate sealed envelopes as specified above will not be accepted.
- 1.3 It may be noted that incomplete in any respect or conditional tender will not be accepted.
- 1.4 **Earnest Money Deposit:** The tender must be accompanied by earnest money deposit (EMD) in the form of a Demand draft drawn on any Nationalized/ Schedule Bank in favour of Jawahar Vidya Mandir payable at Ranchi. The earnest money shall be kept deposited up to a period of 06 (six) months beyond the validity of the Tender. The earnest money will not earn any interest. Tenders not accompanied by earnest money shall be rejected. On acceptance of the tender (but not earlier than the expiry date of validity of tender) the earnest money will be returned to the unsuccessful Bidder on request.
- 1.5 **Cost of the Tender:** The cost of the tender will be Rs.500/- (Five hundred only) non-refundable in the form of a Demand draft drawn on any Nationalized/ Schedule Bank in favour of Jawahar Vidya Mandir payable at Ranchi.

2.0 Eligibility Criteria**2.1 Technical**

- 2.1.1 The bidder should be an Original Equipment Manufacturer (OEM) / an authorized partner of OEM. Tender Specific OEM authorization certificate is required from partner of OEM. in case of OEM quoting directly document is not required.
- 2.1.2 The bidder should submit a letter of 06 years support and warranty from OEM.
- 2.1.3 The Bidder shall not be under a declaration of ineligibility/blacklisted by any State/ Central Government / any other Government body in India for fraudulent practices as on last date of submission of the Bid. Declaration signed by the authorized signatory of the Bidder in this regard should be submitted.
- 2.1.4 Bidder should have executed a minimum of two orders with at least 5 nos. of Firewall/UTM (02 POs combined) during last eight years from date of NIT. (Copy of PO to be enclosed)

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03/03/2023





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- 2.1.5 The Bidder should have valid certificates for the following ISO standards: ISO 9001:2015 ISO/IEC 27001:2013. (copy to be submitted).
- 2.1.6 OEMs shall ensure support and spares availability for at least next six (06) years for the products quoted. OEM Certificate in this regard to be submitted

2.2 Financial

- 2.2.1 The Bidder should have the registration and Copies of GST Registration / PAN no. which should be submitted along with the offer.
- 2.2.2 The average annual financial turnover of the Bidder during last three (03) consecutive financial years shall be at least INR 150 Lakhs ending 31st March 2022. Bidder shall submit signed copy of Audited Annual Balance Sheet and Profit & Loss Account Statement for last 3 (three) consecutive financial years ending 31st March 2022.

IF A FIRM FILING TENDER DOESNOT FULFILS ALL OR ANY OF THE ABOVE ELIGIBILITY CRITERIA MENTIONED ABOVE, THE TENDER OF THE FIRM WILL NOT BE CONSIDERED.

3.0 Scope of Work

- 3.1 The scope of work shall be as per Technical Specification enclosed herewith at Attachment-I.
- 3.2 The bidder shall carefully check the specification and shall satisfy himself regarding the technical requirement and completeness of the equipment.

- 4.0 **Price:** The bidder shall quote prices strictly as per the Price Schedule Format enclosed at Attachment-III. The prices shall include all license charges and expenses, travelling expenses of visiting persons of the bidder, if required. The price shall be firm and binding and shall not be subject to any variation whatsoever on any account till the completion of work excepting statutory variation in taxes & duties. (Un-priced copy of Price Bid indicating "quoted" against each item should be submitted along with Techno-commercial bid).

- 5.0 **Taxes & Duties:** The price shall include GST % and amount as per Price schedule format. Statutory variation in taxes and duties shall be borne by JVM.

- 6.0 **Validity of Rates:** The rate quoted by the rate shall remain valid for a period of 90 (ninety) days from the date of opening of quotation.

7.0 Time Schedule:

- 7.1 The successful Bidder shall be required to complete the supply & installation of above item within 4 (four) weeks from the date of receipt of order.
- 7.2 In the event the supplied material is not conforming to the ordering specification and approved make/brand, the material so supplied will be rejected without paying any price/ compensation. The decision of JVM in this regard will be final.

8.0 Payment Terms:

- 8.1 No advance payment shall be paid for the supply.
- 8.2 Subject to the deduction which JVM Shyamali may be authorized to make under the contract, 100% payment shall be released within 30 (thirty) days of supply, installation & testing of materials on submission of bill along with receipted challan, Inspection & Acceptance Certificate to be issued by JVM and a Bank Guarantee for 10% of total contract price towards performance guarantee to be kept valid till completion of warranty period. In absence of Bank Guarantee 90% amount will be paid after deducting 10% towards Bank Guarantee which will be paid after completion of 5 years of guarantee/ service period.

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- 9.0 **Warranty:** The hardware & software shall be covered under comprehensive free onsite warranty for a period of minimum 5 (five) year from the date of supply & installation. The warranty shall cover faulty design, improper material, manufacturing defects and unsatisfactory performance of system. In case the equipment fails to function inspite of necessary repairing work during the warranty period, the defective equipment shall be replaced with a new one free of cost.
- 10.0 **Inspection:** The inspection of desktops shall be carried out by JYM after receipt of materials at destination.
- 11.0 **LIQUIDATED DAMAGES:** Time and date stipulated in the Contract for completion of delivery and installation of Desktop Computers shall be deemed to be the important activity of the Contract. If, however, the tenderer fails to fulfill the delivery and installation within the time schedule, or within such extended time schedule as may be further granted, the tenderer shall be liable to pay as Liquidated Damages (LD) and not by way of penalty a sum of 0.5% of the contract price per week of delay or part thereof, and such liquidated damages shall be limited to a maximum ceiling of 5% of the Contract Price. In case the reasons for delay in supply & installation are not attributable to the Bidder, then the LD clause shall not be applicable for such delay.
- 12.0 **Acceptance of Orders:** JYM is not bound to accept lowest or any tender or to assign reasons whatsoever for non-acceptance. JYM also reserves the right to cancel the tender without assigning any reason whatsoever.
- 13.0 **Evaluation of Tender:** Bidder should quote for all the items as per enclosed price schedule format. Part offer or incomplete offer shall be liable to be rejected. Price of the techno-commercially eligible Bidder shall be evaluated on overall basis.
- 14.0 **NO CLAIM OR COMPENSATION FOR SUBMISSION OF TENDER:** The Bidder whose Tender is not accepted shall not be entitled to claim any costs, charges, expenses of and incidental to or incurred by him through or in connection with his submission of Tender, even though JYM may elect to withdraw the Invitation of Tender.
- 15.0 **TRANSIT INSURANCE:** tenderer shall arrange transit insurance on his own and at his own cost for transportation of equipment to JYM, Ranchi.
- 16.0 **NEGLIGENCE, DEFAULT AND RISK PURCHASE**
- 16.1 If the tenderer fails to execute the work with due diligence or expedition or shall refuse or neglect to comply with any order given to him in writing by JYM in Contract, JYM may give notice in writing to the tenderer with the said notice, JYM without prejudice to its rights under the Contract, may rescind or cancel the Contract holding the tenderer liable for the damages that JYM may sustain in this regard.
- 16.2 Should the tenderer fail to comply with such notice within a reasonable period from the date of serving thereof, JYM shall have the option and shall be at liberty to take the work wholly or in part out of the tenderer's scope and may get the same executed by alternate agency at tenderer's risk and cost. This shall be without prejudice to JYM's rights under other clauses of this Contract.
- 17.0 **SUSPENSION AND TERMINATION**
- 17.1 JYM may at any time temporarily stop the work under the Contract or any part thereof by serving notice in writing to the tenderer. Work so suspended shall be resumed by the tenderer on receipt of instructions from JYM in writing. JYM will not be liable to the tenderer for any damage or loss caused by such period of suspension of work.
- 17.2 JYM will be at liberty to terminate the Contract without prejudicing its right and affecting the obligations of the tenderer by giving 15 days' notice in writing in the following events:
- a) If the tenderer fails to comply with the provision/provisions of the Contract.
- b) If the tenderer is involved in any action involving moral turpitude.

20/03/2023





JAWAHAR VIDYA MANDIR

SHYAMALI, RANCHI – 834002

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18.0 Arbitration:

- 18.1 Any disputes, differences, whatsoever, arising between the parties, the arbitration shall be governed and regulated in all respect according to Laws of India.
- 18.2 The Arbitration proceedings in case of other Indian companies shall be regulated and governed by Indian Arbitration and Conciliation Act 1996, or such modification thereof.
- 18.3 The venue of arbitration proceeding shall be Ranchi.
- 18.4 Work under this Order shall be continued by the tenderer during the arbitration proceedings, unless otherwise directed in writing by purchaser or unless matter is such that the work cannot possibly be continued until the decision of the arbitrator is obtained. The Bidders are requested to confirm acceptance of all terms & conditions as per tender enquiry.



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03/03/2023
PRINCIPAL

**Annexure-I****Minimum Technical Specification for Appliance based Next Generation Firewall (NGFW) System**

- 1.0 Scope of work:** The scope of work of the successful bidder shall include, but not limited to the following:
- Supply, installation & configuration of physical appliance, software and necessary licenses / subscriptions and support mentioned in specifications.
 - Submission of necessary documents required during installation, testing, commissioning etc.
 - Implementation of ISP Failover & Load balancing in consultation with the purchaser.
 - Configuration and installation of Inbuilt Firewall, IPS, gateway antivirus, anti-spyware, web content filtering, VPN etc. and any other software / tool, reporting and logging to run the system.
 - Basic Setup like Configuration of IP, Hostname, Zone, Route and NAT in Firewall.
 - Other basic setup like Creation of Network Object and Object Group.
 - Basic Firewall Policy Configuration based on Zone.
 - Testing, Commissioning and User Acceptance.
 - Training of purchaser's personnel.
 - Automated Software Updates and Upgrades.
 - Bidder shall be capable of providing comprehensive annual maintenance services (AMC) for a period of 5 (five) years.
 - All software and documentation shall be delivered in English language only.

2.0 Completion schedule: Four (04) weeks from the date of placement of order.

3.0 The minimum specification of Appliance based Next Generation Firewall shall be:

Sl. No.	General Requirements applicable to Next Generation Firewall	Technical Compliance
1	The support services and license should be for a period of 5 (five) years.	
2	Solution must be on-premises appliance based	
3	Must use a hardened OS	
4	Appliance should be rack mountable with redundant power supply	
5	Should support IPv6/IPv4 traffic	
6	Proposed model should be EAL or ICSA certified	
7	All Licensing should be per device and not user/IP based (should support unlimited users).	
8	Proposed model should be supported for at least 07 (seven) years from the date of submission of bid	
9	The support quoted should be Premium 24x7x365 support	
10	Next Business Day replacement shall be considered	
B. Technical Requirements applicable to Next Generation Firewall		
The NGFW must provide the following features from day one		
1	Policy based Routing/Forwarding	
2	Must be zone based, should have provision to create private zone, public zone and other secure zones / DMZ	
3	ISP link Redundancy and load balancing	
4	Routing based on status of multiple of WANs link	



Sl. No.	Description	Technical Compliance
5	SSL/TLS Inspection throughput must be 20% of the total throughput/traffic after threat prevention.	
6	Must be able to decrypt SSL and TLS 1.3 for inspection of IP V4 & IP V6 both and protection from HTTPS vulnerabilities.	
7	Integrated intrusion detection system (IDS) and intrusion prevention system (IPS) through deep packet inspection (DPI) mechanism	
8	Advanced malware detection and threat protection using Sandboxing	
9	Should block unknown malicious executables and Power Shell attacks	
10	Threat intelligence feeds directly from cloud into threat emulator	
11	Patch management on both OS and software level directly from cloud	
12	Zero-day protection. Anti-APT device, if required, to be sized as per requirement of the proposed solution.	
13	Automatically identify and prevent known and unknown phishing attacks along with known and new malicious websites, URLs.	
14	Data Loss Prevention (DLP)	
15	Antivirus, Anti-Malware, Anti-Spyware, Anti-Botnet	
16	Must support Anti-virus scan of compressed files.	
17	Must be with latest OS release by the OEM	
18	URL & DNS Filtering	
19	Logging and Reporting	
20	Application Identification with application control feature to allow, block or limit usage of application based on user or user group	
21	IPSec/SSL Remote Access VPN.	
22	DOS protection preventing against flooding of new sessions with high-volume single-session and multiple-session attacks	
23	Shall have options to create users, user groups and policies (application control, URL filtering, bandwidth management etc.). Subsequently, mapping users to user groups and user groups to policies.	
24	Any access to internet shall be after authentication through captive portal or through client. After authentication, policies mapped to the user shall be applicable.	
25	Authentication protocol support for Microsoft AD, LDAP, Radius from day one.	
26	Integration with Microsoft AD / LDAP users for Single Sign On (SSO). SSO shall be optional.	
27	Should also support integration with leading MFA solution to enable multi factor authentication for additional layer of security.	
28	Should support on device management with complete feature parity on firewall administration along with logging, reporting and event correlation	
	Should support real time logging based on all Traffic, Threats, User IDs, URL filtering, Data filtering, Content filtering, unknown malware analysis, Authentication, Tunnelled Traffic and correlated log view base on other logging activities.	

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Sl. No.	Description	Technical Compliance
	Should support the report generation on a manual or schedule (Daily, Weekly, Monthly, etc.) basis.	
	Should allow the report to be exported into other format such as PDF, HTML, CSV, XML etc.	
29	NAT & PAT with Dual Stack IPv4 / IPv6 support	
30	NAT 66 and NAT 64 must be supported.	
C. Additional Technical Requirements applicable to Next Generation Firewall		
31	Minimum Next Generation Threat prevention Throughput 650 Mbps	
32	Concurrent sessions: Minimum Concurrent TCP/HTTP Connection Capacity 60,000	
33	Minimum TCP/HTTP New Connections Per Second 10000	
34	Minimum 200 IPSec Remote Access VPN from day one. Required licenses shall be included to accommodate simultaneous users for VPN connection.	
35	Minimum VPN throughput 600 Mbps	
36	Minimum Memory (DRAM) 8 GB from Day one	
37	Minimum Internal Storage 120 GB from Day one	
38	Architecture: Proposed Firewall should not be proprietary ASIC based in nature & should be open architecture based on multi-core CPU's to protect & scale against dynamic latest security threats.	
39	Minimum 2 x 1G SFP Network interface with necessary transceivers from day one	
40	Minimum 8 x 1 G Copper (RJ45) Network interface from day one	
41	Console port and management port	

D. Make List

- Check Point
- Fortinet
- Palo Alto

**Annexure - II****Techno – Commercial Bid Declaration by the Bidder:**

Sl.No	Description	Indicate also page number where attached
1.	Name, address & telephone number of the agency / firm	
2.	Name, Designation, Address and telephone No. of authorized person	
3.	Please specify as to whether Bidder is sole Proprietor / Partnership firm / Private or Limited Company	
4.	Copy of PAN card issued by Income Tax Department	
5.	GST No. (Please attach)	
6.	Details of Bid Earnest Money Deposit: a) Amount: b) Demand Draft / Banker's Cheque No: c) Date of issue: d) Name of issuing Bank:	
7.	a) Make & Model of Next Gen Firewall (NGFW) b) With Warranty and Support for 5 years	

This is to certify that I / We before signing this tender have read and fully understood all the terms and conditions contained in the tender document and undertake myself / ourselves to strictly abide by them.

All the supporting documents as mentioned in eligibility criteria to be submitted along with Techno Commercial Bid:

Signature of the Bidder with Seal
Designation



Price Bid Format

Item No.	Specification of Item	Qty.	Unit Rate	GST	Total Price
1	Next Gen Firewall (NGFW) As per specification mentioned in Annexure I	1 Nos. per set		
	Make & Model				
Total					

Declaration by the Bidder:

I have carefully gone through the Terms and Conditions contained in the Tender Document (JVM/OT-09/2022-23 - Dated. 03.03.2023) regarding **Next Gen Firewall (NGFW)** at Jawahar Vidya Mandir, Shyamali, Ranchi. All the Terms and Conditions of the tender enquiry are acceptable to us.

Signature of the Bidder with Seal