Ref No.:-HO/MD/1793   Dated :-21/10/2025

NOTICE INVITING TENDER (NIT):

NOTICE INVITING TENDER(NIT) for Supply and Installation of Server Computers ,Firewall and Managed Network L2 Switch along with all accessories including monitor(of same OEM) to be installed at our Alternate site (New Alipore , 63 Bankim Mukherjee Sarani , Ground Floor , Kolkata - 700053)of CCIL applications of Banks as per technical specification mentioned in Annexure "A"/"B"/"C" to be installed at Annexure II location of the Bank .

Name of work:-Supply, installation and onsite support Service for three (03) years from the date of Installation of following accessories

Equipment Sheet

Sl. No.	Particular	Approx. TOTAL Quantity
1	Technical specifications as per Annexure A [Part A] [Only those bidders who comply in Annexure "A are requested to participate]	02 Nos of Server Computer
2	Technical specifications as per Annexure B [Part B] [Only those bidders who comply in Annexure "B are requested to Participate]	01 No of Firewall
	Technical specifications as per Annexure C [Part C] [Only those bidders who comply in Annexure "C are requested to participate]	01 No Managed Network Switch

Critical Date Sheet

Sl. No.	Particulars	Date	Time
1	Date of Online Publication of Tender	31/10/2025	10.00 A.M.
2	Tender Document Download Start Date	01/11/2025	11.00 A.M.
3	Bid Submission Start Date	07/11/2025	11.30 A.M.
4	Bid Submission Close Date through Online	18/11/2025	4.00 P.M.
5	Opening of Technical Bids	19/11/2025	4.00 P.M.
6	Opening of Financial Bid(To be notified later)		

IMPORTANT NOTES TO THE BIDDER:

1. Prospective bid applicants are advised to read carefully the minimum qualification criteria as mentioned in **'Instructions to Bidders** .

2. Tenders shall be submitted in 2 parts-Technical Bid i.e Annexure/Part A/B/C/ & Financial bid ie Annexure "D"

3. Loss or damage in transit will be solely borne by the supplier. The suppliers may, if he/she so desires, get the goods insured and include such charges in the tendered rate.

4. No Advance Payment will be made in favour of any supplier under this tender. The bidders are requested to not to mention any such clause for advance payments in their bid documents and if there is anything in this regard, the same will be ignored for consideration and no communication will be done in this regard.

5. The bidders must submit necessary valid documentary proof/s of their Firm's Registration/Authorization along with their GST and other Trade license and PAN details along with the quotation.

6. The Bank reserves the right to verify and confirm all necessary documents as submitted by the venders in support of their tender bids along with their credentials/documents required for the eligibility criteria. In any case, any information as furnished by the bidder/s if found fabricated or mala-fide or false or incorrect, the tender bids will be rejected and necessary legal proceedings may be taken against the bidders.

Once the Bank authority confirms its Purchase Order (PO) to the respective winning bidder either through email or by issue of a formal Work Order, as the case may appear, the item/s is to be delivered and installed accordingly within a period of Twenty Eight(28) day's from the date of issuance or placement of such purchase order. If delivery does not happen within 28(Twenty Eight) Day's,the Bank reserves right to cancel the PO. All the bidders are requested to mentioned the Contract Person's name, Phone No & Official email id in a separate letterhead along with submitted bids for further official communications from our end .

7. If any of the bidder does not comply any clause in Annexure/Part "A"/"B"/"C" are disqualify and not eligible for opening of Financial Bid .

8. This tender is floated for procurement of the as per Annexure /Part "A"/"B"/"C" and the stated quantity for the same is indicative ones as mentioned in Annexure /Part "D" (Financial Bid) and their actual quantity for purchase may vary as per the requirement of the Bank.

9. The bidder firms /Agencies should have a **Minimum Average Annual Turnover** of 1 (one) Crore for the last three(03) previous years viz., F.Y. 2022-23, F.Y. 2023-24 and F.Y. 2024-25.

10. INSTRUCTIONS/GUIDELINES TO THE BIDDERS

1. **Collection of Tender Documents:** The bidder can search and download the Tender Documents from the website i.e Wbtenders.gov.in and also upload the required documents electronically within the stipulated dates mentioned earlier. The bidders may visit the Bank's website www.wbstcb.com

2. Tenders shall be submitted in 2 Parts:-Part"A"/"B"/"C"(Technical Bid)and Part "D"/Annexure D(Financial bid)

3. **Warranty:** As per the Original Equipment Manufacturer(OEM)/manufacturer terms and conditions. for three (03) years from the date of Installation of all the equipments

4. The intending bidder/s must quote their price for their different items of the work within the BOQ.

5. **Time Extension:** Generally no extension of time will be allowed. At unavoidable circumstances, any extension of time is subject to the consideration of the Tender Inviting Authority.

6. **Penalty Charges:** Penalty charges will be imposed @ 5 % (Five)per week on the tendered amount subject to Maximum @ 10% of the tendered amount, if the work will not be completed within stipulated time period of the tender.

7. **Document Verification:** The bidders may be called on to be present at the Bank for evaluation, verification, and clarifications, if any and may be asked to bring their original documents for satisfaction of the authority. If the bidders fail to produce the same within the stipulated time frame, their bid/s will be liable to rejection.

11. **Rejection Bids:**
   a) Incomplete bids are liable to be rejected.
   b) Unsigned tenders/bids, unattested corrections and overwriting by bidders are also liable for rejection.
   c) The schedule for accepting the tenders shall be strictly followed-late tenders shall not be accepted.
   d) Bids submitted without supporting documents as mentioned or required to submit with bids are liable to be rejected.
   e) The bidder/s must confirm in their bid acceptance in full of the terms and conditions in this enquiry. Any non-acceptance or deviations from the terms and conditions must be clearly brought out. However, bibbers must note carefully that any conditional offer or any deviation from the terms and conditions of this enquiry may render the quotation liable for rejection.
   f) Each page of the tender document including annexure duly stamped and signed by the bidder must be submitted along with the tender bid and the tender should be page-numbered.

12. **OEM AUTHORIZATION**: BID Specific authorization (MAF) of the respective products/items are mandatory with letter Head including contact person name, mail ID & Phone number from the respective OEM(s) and otherwise the submitted bids will not be considered or Cancelled .

Contd—3

13. The selected bidder must deposited 10% of the quoted price in the form of DD/BG in favour of the Bank before awarding of work order and that will be returned after completion of the whole job ;

14. The only those bidders are technically qualified are eligible for opening of financial bids .

15. Bids are invited from Manufacturers or their Authorized Resellers.

16. Bidder should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service centre in city of Kolkata, West Bengal for attending the after sales service. Details of Service Centres are to be uploaded along with the bid with Service Center contact detail.

   17. Bidder should have service centre in West Bengal.

   18. Please submit all the requisite documents & No further clarification allowed.

19. That the selected bidder will provide details of contact person, telephone number, email Id, facsimile number for providing service support in the respective sites during the time of warranty period and technical expertise to solve issue related to the supplied items and the all the Calls related to supplied items must be completed within same day;

20. All the supplied Hardware of Server accessories   are same   make including SSD/Hard Disk/Motherboard/Keyboard and mouse etc and all the supplied models are Business model ;

21 Submission of Copy and Opening of Tender: All tender documents should be uploaded (all relevant documents) in the website www.wbtenders.gov.in . Any bid through the Email or Telegraphic/fax offer will not be considered as valid bid and will be ignored straight way. Any submission of the tender documents after the specified date and time shall not be considered.

1.The selected bidders will deposit 10% of the work order value (Excluding GST) as a performances guarantee and should be released after the warranty period i.e after 3 (Three) years from the date of Installation .
2.The Bank can cancel the said Tender Notice at any time without giving the reasons
3.Vendors should clearly submit both the Technical ,Financial and other certifications For Supply & Installation as per Annexure A/B/C of Bank to be installed at Annexure II **&** "Financial / Technical Bid" on the respective bids .
22.Delivery & installation : The equipments should be delivered and installed at Annexure II , within a time period of 28 Day's from the date of receipt of Work Order or Purchase Order if any extension otherwise is not allowed. If any material is not delivered within the time period specified in the Work Order, the Bank Authority reserves the right, without incurring any liability, to cancel the work order, and there by, to purchase the same from another vendor. Any provision thereof for delivery by installment shall not be construed as obligatory unless agreed upon by both the parties. If the vendor is unable to complete the work performance at the time specified for delivery, by reason of strikes, labor disputes, riot, war fire or other causes beyond the Vendor's reasonable control, the vendor will be allowed to extend the period of the Work Order.

 23. The selected bidder will provide first level support within 04 Hours on any Working day's during warranty
     period for 3(Three) years from the date of successful installation of all the items as per Financial Bids .
The supplied Accessories should conform to detailed technical specification mentioned in Annexure "A"/"B"/"C" ;
  24.The bidders are requested to submit the following documents along with the Bids :-

Sl.No.	Category	Sub Category	Sub-Category Description
A	Certificates	Certificates	1.PAN Card 2.Last 3 years balance sheet along with IT Return 3. Valid Trade License 4. GST Registration Certificate 5. ISO Certificate will be required from the respective OEM(s), if any 6. Certificate of sole Authorized agent (OEM Certificate)
B	Financial	Certificates	Last 3 years Audited Balance sheet

 Note: Failure of submission of the above-mentioned documents by any bidder, the bidder will summarily be rejected .

25. That the all Hardware delivered by selected bidder must be covered by a comprehensive warranty for a minimum period of three (03)years from the date of successful installation of the all items mentioned in Annexure D /Financial Bid and supplied Accessories will provide 99% uptime during the warranty period ;

26. That the selected bidder will bear all expenses for repair/replacement of the supplied accessories/system during the warranty period and this Bank will not make any separate payment for any such expenses to be incurred within the comprehensive warranty period & all the replacement materials are original & same make

27. That the selected bidder will transfer ownership of the equipments in favour of the Bank and the same shall be effected as soon as the equipments is brought to the sites of the Bank's premises, installed thereafter and accepted by the bank;

28. The Selected bidder will give a training to the Bank's employee regarding the supplied items along with free of Costs

29. The selected Service bidder will provide support of the supplied installed operating System (OS) within 04 Hours on any Working day's during warranty period for 3 years from the date of installation of the items . The supplied items should conform to the ALL detailed technical specification mentioned in Annexure/Part "A"/"B"/"C" [Technical Documents] ;

30. That selected bidder will be responsible to give the call logging facility with the OEM , if any kind of problem arises in the supplied accessories within the warranty period & to provide the physical support services of the installed/delivered items including the operating System [OS] at the premises of Branches/HO/ROs ;

31 . Clause of Bank Guarantee/EMD value

That the selected bidder shall agree to furnish a Bank Guarantee (BG) for 3(three) years validity for a maximum amount of 10% of all tender cost excluding the GST Charges .The said BG will be forfitted by Bank and realized by Bank , in the following cases :-

i) That if at any time the vendor's performances are considered unsatisfactory by the Purchaser in regard to maintenance of service or supply of spares or any related matter affecting operational efficiency of the   supplied Computers Systems/Firewall/Network Managed Switch etc related to the said applications , the Purchaser Bank shall be at liberty to terminate the contract after issuing 15 day's notice on the vendor and the Purchaser Bank shall be at liberty to invoke the Bank guarantee furnished by the vendor for liquidated damage @ 05 % (five) per week subject to maximum of 10% of the contract value.

ii) In case of break down or glitches or snags of the supplied System(s)/hardware , vendor will be under obligation to restore the services of the system as mentioned above after receiving intimation from the Purchaser Bank either in writing or by Fax or telephonically or email during the period of warranty period failing which the vendor firm shall pay liquidated damages @ 05 %(five)per Week of the contract value in respect of the projects subject to a maximum of 10% of the cost of work order value executed by the vendor;

iii). If any Emergency Situations , the vendor will give the Physical support Services in any Holiday/beyond the Office Hours without the extra charges to the Bank ;

iv). That vendor will bear all expenses for repair/replacement of the supplied items/accessories installed by you instantly and this Bank will not make any separate payment for any such expenses to be incurred by you within the comprehensive warranty period for supplied System or Hardware (provided the breakdown is not due to negligence, faulty electrical points/ mains, act of nature & others including unprepared/ unclean site) but the purchaser bank will not bear the cost of labour Charges for supplied System during warranty period ;

v). That this Bank may like to arrange for independent/outside and/or in-house team for testing and certification of all supplied Hardware/System mentioned Annexure"A"/"B"/"C"/Operating System(OS)supplied by the selected bidder;

(vi) The call related to the problem of the supplied System will be given by Bank /Bank personnel to the selected bidder either through email/Phone no/Whatsapp given by the said vendor and Vendor's responsibility will be restored the said problem within 04 Hours from the time of call logging by the Bank with free of costs during the warranty period ;

(vii) The warranty period i.e 3(Three) years will be calculated from the successful date of installation of the items;

32. Payment Terms :-

The Bank will release payment in the following manner:-

i) 90% of the billed amount will be released by the Purchaser Bank on receiving delivery and installation of the supplied items within 45(Forty Five) day's from the date of successful installation and the hardware supplied by the vendor should be strictly in conformity with the specification of the order under Annexure "A"/"B"/"C" duly certified by Concern Officer and being free from operational defect;

ii) Further 10% of the billed amount for Hardware is to be released 60(Sixty) day's after the date of installation and furnishing of bank guarantee of 10% of the work order value [excluding the Taxes] ;

33. All the jurisdiction are within the limit of Honorable Kolkata High Court Only

34. The Bank was not bound to accept the lowest bidder (L1) and any time Bank may Cancel the said Notice inviting Tender [NIT]

35. Regarding Financial Bid:

  i)   The Financial Bid submitted by the bidders should contain the price of the material required to be uploaded as given in the BOQ format by bank ;
  ii)   All costs should be given in the exact figures and words. All the Govt. levies like sales tax, Custom Duties, and educational CESS, service tax ,GST etc., if any, should be included within quoted amount for each item or component in the BOQ.
  iii)   Prices shall not be subject to any escalation in the future prices
  iv)   Prices should be exclusively for the Bank, including installation charges[If any] should be specified separately.
  v)   Bank may increase/decrease the quantity of the items mentioned above
  vi)   All the amount which will be mention in the Financial bid are including of all the Taxes

36. For any type of clarification, the bidders/Service provider are requested to send the Query within 05/11/2025 (up to 2.00 P.M.) to rfp_coopcbs2010@wbstcb.com .

(S. Sarkar)
Managing Director

ANNEXURE-"A"(Part-"A") for Server Computer
Technical Specifications to be filled by the OEM in their Letter Head along with Signature & Stamp and email id, Phone No

SL.	Parameter	Specification	Bidder's Compliance (Yes/No)	Remarks
		Technical Specification		
		Server Specification		
1	**Make**	To be mentioned by the bidder/ Vendor		
2	**Model No.**	To be mentioned by the bidder/ Vendor		
3	**Country of Origin**	To be mentioned by the bidder/ Vendor		
4	Processor	Minimum of 1 No. Intel Xeon-Silver 4514Y 2.0GHz 16-core 150W Processor		
5	Memory	Atleast 64 GB X 2 No of RDIMM DDR5 RAM. Expandable up to of 4TB DDR5 RAM or higher. All memory modules should be of uniform size.		
6	Internal Storage controller	12Gbps PCIe controller, minimum 8GB non-volatile cache supporting RAID 1, 5, 6, 10. Supplied Storage Controller should support SAS/SATA/NVMe Drives		
7	Chassis Configuration	Up to 8 nos SAS/SATA/NVMe Drives		
8	Internal Storage Drives	Minimum 5 nos 960 GB SSD of 2.5in Hot-Plug and 5 nos 1.2TB SAS 12G Mission Critical 10K SFF		
9	I/O Slots	atleast 2nos of PCIe 5.0 slots		
10	Network	At least 1 nos BCM5719 Ethernet 1Gb 4-port BASE-T OCP3 Adapter		
		Dedicated 1G Management port with advanced license		
11	Power Supply	Dual, Hot-Plug, Fully Redundant Power Supply (1+1), minimum 800W, platinum rated power supply.		
		Power Supply should be capable to take 100% load in redundancy.		
12	Other Interfaces	Minimum 1 x VGA, 3 x USB ports		
13	OOBM	Fully Managed through IP. Monitoring fan, power supply, memory,		
		CPU, RAID, NIC & proactive reporting for impending failure		
14	Form Factor	Rack mountable server with front locking, cable manager, sliding rails & accessories.		
15	OS certification	Certified for latest version of Red Hat Enterprise Linux, Windows Server 2019 Standard etc		
		Enterprise Server, Microsoft Windows Server, Ubuntu & VMWare		
16	Certifications & benchmarks	Relevant product datasheets, certification, benchmark or reference documents verifiable from publicly available data sources must be submitted along with bill of material for detailed bid evaluation. Links for certifications to be submitted.		
17	Installed preloaded Operating System(OS)	Licensed Windows Sever 2019 Standard (Original license) 64 Bit with latest build, to be preloaded in SSD drive. Windows 2019 Standard License Certificate.		

18	Monitor/ Display	Monitor with LED Backlight with minimum Screen size 19.5" or higher IPS/VA/TN anti-glare display		
19	Warranty	a) 5 years Comprehensive warranty with next business day on-site support. The warranty details must be listed on the OEM's official support portal. Warranty shall commence from the date of successful installation and commissioning, should be done on site		
		b) In case of replacement, the replaced parts should be of same		

ANNEXURE-"B"(Part-"B")
Technical specifications for the Firewall
Technical Specifications to be filled by OEM in their Letter Head along with Signature & Stamp and email ,Phone No

Item Description	Technical Specification	Compliance(Y/N)	Remark
Make	To be mentioned by the bidder/ Vendor		
Model No.	To be mentioned by the bidder/ Vendor		
Country of Origin	To be mentioned by the bidder/ Vendor		
Hardware Architecture	The proposed hardware based firewall should not consume more than 1RU Rack-mountable space		
	Proposed Firewall should not be proprietary ASIC based in nature & should be multi-core cpu's based architecture to protect latest security threats.		
	The proposed firewall should not use a proprietary ASIC hardware for any kind of performance Improvement. If option to disable ASIC is there than OEM must mention the performance numbers in datasheet		
	Appliance must have one Console port, one USB 3.0 ports for WWAN USB card support (5G/LTE/4G/3G) .		
	The device should have 8 x 1G Copper ports from day 1.		
Performance & Scalability	Appliance shall support 2 Gbps or more Firewall throughput & 1 Gbps or more IPS throughput.		
	Appliance shall support 750 Gbps or more Threat Protection throughput with Gateway AV, Anti-Spyware, IPS and Application Control enabled		
	The device shall support Concurrent Sessions: 700K or higher & New connection/Sec: 5,000 or higher		
	Firewall shall support at least 700 Mbps or more IPSec VPN throughput and 50 IPSec Site-to-Site VPN tunnels		
	Firewall Should support 300 Mbps or more TLS inspection throughput and 25K SSL connections.		

	Solution must support unified threat policy,Bandwidth mangement,policy based routing & SDWAN.		
	Should support BGP,OSPF, RIP v1/v2 routing protocol and IPv4 & IPv6 functionality (Both phase 1 and Phase2).		
	Should detect and prevent hidden attacks that leverage cryptography, blocks encrypted malware downloads, ceases the spread of infections, and threats command and control (C&C) communications and data exfiltration.		
	Should have Layer 2 bridge or transparent mode,Wire mode,Sniffer mode /Tap mode		
	Should support Zero-Touch registration & provisioning using mobile App.		
	solution should support policy based routing,Application based routing and also Multi Path routing.		
	Firewall should support Link aggregation (static and dynamic) to provide additional level of redundancy.		
	Firewall should support static routing ,Dynamic Routing and WAN loadbalancing for redundant or backup Internet connections.		
General Firewall Features	Should support Redundant VPN gateway when primary and secondary VPN can be configured to allow seamless, automatic failover and failback of		
	Should support Route-based VPN that allow dynamic routing over VPN links to ensure continuous uptime in the event of a temporary VPN tunnel failure, by seamlessly re-routing traffic between endpoints through alternate routes.		
	Solution should support Dead Peer Detection, DHCP Over VPN, IPSec NAT Traversal, Route-based VPN over OSPF, RIP, BGP.		
	Should have SD-WAN feature to choose lower-cost public Internet services while continuing to achieve a high level of application availability and predictable performance. Vendors not having SD-WAN fetures integrated in their firewall should provide additional device to provide this feature support from day 1.		
	Proposed Appliance should support SD WAN features without adding any additonal hardware components & Necessary licenses, if required, need to be provisioned from day 1..		
	Should have support to enable guest users to use their credentials from social networking services such as Facebook, Twitter, or Google+ to sign in and access		

	the Internet and other guest services through a host's wireless, LAN or DMZ zones using pass-through authentication.		
	Proposed solution must have Mac IP Spoof Prevention,Jumbo frames support & IP Helper for other than DHCP.		
	Firewall sholud have Pictorial view of a particular access rule, NAT and Routing rule which helps in finding real-time statistics.Displays the rules which are actively used or not being used & enabled or disabled..		
Firewall Security Features	Firewall should scan for threats in both inbound and outbound and intra-zone traffic for malware in files of unlimited length and size across all ports and TCP streams by GAV & Cloud AV.		
	The proposed firewall should support Bi-directional raw TCP inspection that scans raw TCP streams on any port .		
	Firewall must support Proxy-less and non-buffering inspection technology for DPI scanning without introducing file and stream size limitations.		
	The firewall should have single pass, low latency inspection system that performing stream-based, bi-directional traffic analysis at high speed without proxying or buffering to effectively uncover intrusion attempts and malware downloads while identifying application traffic regardless of port and protocol.		
	Firewall must have intigrated IPS shall be able to scan packet payloads for vulnerabilities and exploits, covering a broad spectrum of attacks and vulnerabilities.		
	Should protect against DDoS/DoS attack using both Layer 3 SYN proxy and Layer 2 SYN blacklisting technologies.It protects against DOS/DDoS through UDP/ICMP flood protection and connection rate limiting.		
	Should have facility to block the URL's based on categories, granualar control like Allow/Block, Bandwidth Management, Passphrase override, Notify		
	shall be able to configure traffic shaping on a per policy basis for specific application/ Specific networks and should be able to define guaranteed bandwidth and maximum bandwidth per policy.		
	Should have advanced QoS that guarantees critical communications with 802.1p, DSCP tagging, and remapping of VoIP traffic on the network.		

	Should support deep packet SSL to decrypt HTTPS traffic for scanning(IPS, Gateway Antivirus, Content Filtering, Application control) transparently for future requirement and then re-encrypt and send to destination if no threat found.		
	The firewall must support cloud & appliance based Sandbox technology and OEM must have own Advanced Threat Protection solutions.		
	The cloud or appliance Sandbox should have technology that detects and blocks malware that does not exhibit any malicious behavior and hides its weaponry via encryption. Should detect and block mass-market, zero-day threats and unknown malware.		
	The Firewall should have the capability to block/prevent from Side Channel attacks like Meltdown, Spectre, Foreshadow, Foreshadow-NG, Portsmash etc.		
	Should support both for analysis of a broad range of file types, either individually or as a group, including executable programs (PE), DLL, PDFs, MS Office documents, archives, JAR, and APK plus multiple operating systems including Windows, Android, Mac OS X and multi-browser environments.		
	Should have ability to prevent potentially malicious files from entering the network and those files sent to the sandbox for analysis to be held at the gateway until a verdict is determined.		
	Should support min 20K DPI signatures, 60 millions Cloud AV signatures and 3500+ Application Signatures from day one.		
Visibility and Monitoring	Should provide real-time monitoring and visualization provides a graphical representation of top applications , top address,top users and intrusion by sessions for granular insight into traffic across the network.		
	The system should provide GUI panels and actionable dashboards with general information, system status,system usage,network interface status,security services status.		
	Solution should support granular network visibility of network topology along with host info.		
	Solution should have real-time visibility of infected hosts,critical attacks,encrypted traffic information & observed threats.		
Management & Reporting Feature	The management platform must be accessible via a web-based interface and without any additional client software		

	Firewall should support management via Cli, SSH ,GUI and support for SNMPv2/3.		
	The solution shall support Centralize management which includes configuration, logging, monitoring, and reporting are performed by the Management Centre on prem and on cloud if required in future.		
	The solution should have configurable options to send the alert emails based on event type & reports as a mail to the designated email address		
	Analytics platform shall support Real-time risk monitoring and analysis of all network and user traffic that passes through the firewall ecosystem		
	The solution should support Cloud-based configuration backup.		
	The solution should support IPFIX or NetFlow protocols for real-time and historical monitoring and reporting		
Certification, Warranty, Installation, Testing and Commissioning	The Firewall solution offered must be ICSA certified for Network Firewall, Anti-virus, Advanced Threat Defense, Common Criteria NDPP (Firewall and IPS) – Certification etc		
	Proposed Solution should support 24x7 telephone, email and web-based technical support.		
	Manufacturer's warranty should be mentioned minimum 03 (three) years warranty including all services like GAV, IPS, Antispyware or antimalware, CFS, Application control, BoT protection , Advance Threat Protection, cloud management, Patch & Firmware upgrade.		
	Bidder must carry out on site installation, testing and commissioning.		

ANNEXURE-"C"(Part-"C")

Technical specifications for the Network Managed Switch

Technical Specifications to be filled by OEM in their Letter Head along with full Signature & Stamp,Email Id,Phone

Technical Specification			
Sl.No	**Item Description**	**Compliance(Y/N)**	**Remark**
	General Features :		
1	**Make (To be mentioned by the bidder/ Vendor)**		
2	**Model No.(To be mentioned by the bidder/ Vendor)**		
	Performance :		
5	Shall have minimum 16K MAC Table and Support for up to 4K VLANs		
6	The Switch shall support upto 2000 IGMP multicast groups		
7	Should have minimum 64 STP instances		

8	Shall have 512 IPv4 and 512 IPv6 security access list entries		
9	Switch should support 1024 IPv4 multicast routes.		
10	Switch Need to support 600 IPv4/MAC security ACEs and IPv6 security ACEs		
11	Switch will support 9000 bytes byte Jumbo Ethernet frame from day 1		
12	Should support Minimum 2000 byte MTU		
	Functionality :		
9	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3az.		
10	switch should support Up to 990 static IPV4 routes and up to 128 IP interfaces		
11	Shall have 802.1p class of service, marking and classification & eight egress queues.		
12	Switch should support QoS through Differentiated Services Code Point (DSCP) mapping and filtering.		
13	Switch should support Shaped Round Robin (SRR) scheduling and Weighted Tail Drop (WTD) congestion avoidance.		
14	Switch should support management features like SNMPv3, NTP, RADIUS and TACACS+ .		
16	Switch should support DHCP, Auto Negotiation, DTP, LACP, UDLD, MDIX, VTP, TFTP, NTP, Per-port broadcast, multicast, Static routing, Layer 2 trace route and unicast storm control.		
17	Must have the capabilities to enable automatic configuration of switch ports as devices connect to the switch for the device type.		
18	Should support management CLI and web UI over SNMP, RJ-45, Bluetooth or USB console access		
19	Should have trunk failover capabilities to ensure server NIC adapters teamup to provide redundancy in the network so that in case of the link is lost on the primary interface, network connectivity is transparently changed to the secondary interface.		
20	Security with 802.1X support for connected devices, Switched Port Analyzer (SPAN), and Bridge Protocol Data Unit (BPDU) Guard		
21	Switch should support MTBF of 664,987 hours		
22	**Industry Standard :** 60950-1, CISPR22 Class A, EN55024, RoHS and IPv6 Ready Logo		
23	**Switch should support enhanced QoS like**, egress queues, Ingress policing to, QoS through Differentiated Services Code Point (DSCP) mapping and filtering, QoS through traffic classification, Trust boundary, AutoQoS, Shaped Round Robin (SRR) scheduling and Weighted Tail Drop (WTD) congestion avoidance, 802.1p Class of Service (CoS) ,		
25	**Operating Temperature range :** -5 to +50 degC		
	Interface		
26	Mimimum.24x 10/100/1000 ports and 4 X Gigabit SFP		
28	Uplink ports can be used to connect up to eight switches and manage them via a single IP address.		
	Certification:		

		Safety and compliance		
28		Safety certification UL 60950-1 Second Edition, CAN/CSA-C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, AS/NZS 60950-1		
29		EMC: Emissions certification 47CFR Part 15 (CFR 47) Class A, AS/NZS CISPR22 Class A, CISPR22 Class A, EN55022 Class A, ICES003 Class A, VCCI Class A, EN61000-3-2, EN61000-3-3, KN22 Class A, CNS13438 Class A		
30		EMC: Immunity, certification EN55024 (including EN 61000-4-5), CISPR24, EN300386, KN24		
31		Environmental Reduction of Hazardous Substances (RoHS) including Directive 2011/65/EU		
		Security Features		
32		Switch should support 802.1X features to control access to the network, including flexible authentication, 802.1X monitor mode, and RADIUS change of authorization		
33		Switch support 802.1X with Network Edge Access Topology (NEAT), which extends identity and user distribution, which enables you to load-balance users with the same group name across multiple different VLANs.		
34		Switch should have capability to disable per-VLAN MAC learning to allow you to manage the available MAC address table space by controlling which interface or VLANs learn MAC addresses		
35		Switch should support Multidomain authentication to allow an IP phone and a PC to authenticate on the same switch port while being placed on the appropriate voice and data VLANs.		
36		Switch need to support Access Control Lists (ACLS) for IPv6 and IPv4 security and Quality-of-Service (QoS) ACL elements (ACEs).		
37		Switch should have features like Port-based ACLs, SSH, Kerberos, and SNMP v3, TACACS+ and RADIUS authentication, Web authentication redirection, Multilevel security on console access, Spanning Tree Root Guard (STRG), Internet Group Management Protocol (IGMP) filtering,		
38		Switch should support SPAN, with bidirectional data support, to allow the OEM Intrusion Detection System (IDS) to take action when an intruder is detected.		

Annexure – I

[Manufacturer's Authorisation Form(MAF)]

[To be submitted on OEM Letterhead, signed by a person competent along with official Email Id & Phone No from the respective products/items] and without this MAF, the bid is liable to be rejected.

Tender sds No.:-HO/MD/1793   **Date: 21/10/2025**

To
The Managing Director,
The West Bengal State Co-operative Bank Ltd.,
24-A, Waterloo Street,
Kolkata – 700 069.

WHEREAS _____ who are official producers of _____ and having production facilities at _____ do hereby authorise _____ located at _____ [hereinafter, the "Bidder"] to submit a bid of the following products produced by us, for the Supply Requirements associated the above Invitation of Bids.

[Note: Please specify the Product Name & Model No. here]
When resold by _____ these products are subject to applicable warranty terms of this Tender .

We assure you that in the event of _____ not being able to fulfil its obligation as our Sales & Service provider in respect of this Tender, we would continue to meet out the terms stated in the abovementioned tender through alternate arrangements.

We also confirm that _____ is our authorised service provider/system integrator and can hence provide maintenance and upgrade support for our products.

We also undertake to supply the materials in the event of the non-supply of the materials by _____ as per the Tender and assure you the availability of products for the next five years after the installation of materials at site .

In the capacity of
Name: _____

Signed: _____

Phone No :--

Official Email :Id :--

Designation :--

Note: This letter of authority must be on the letterhead of the Manufacturer, must be signed by a person and must be included by the Bidder in its bid as specified in the Instructions to Bidders.

Sl. No	Name of Locations to be supplied
1	New Alipore , 63 Bankim Mukherjee Sarani , Ground Floor , Kolkata - 700053

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