

WEBEL TECHNOLOGY LIMITED

NOTICE INVITING e-TENDER

Online Tender documents are invited for Supply, Installation and Commissioning of Hyper-converged Infrastructure with Virtualization Software Licenses and Backup Solution for West Bengal State Electricity Transmission Company Limited (WBSETCL), Govt. of WB.

Bids are invited from reputed System Integrators having sufficient experience and credentials for successful completion of “**Similar Nature**” of work in a Government Department/PSU/Autonomous Body. WTL has been chosen as the execution authority for the same. Bidder must have adequate Service Engineer for providing on-site warranty service within the stipulated time.

1.	Tender No. & Date	WTL/WBSETCL/HCI/25-26/063 DATED 14.03.2026
2.	Tender Version No.	1.0
3.	Brief description of material	Supply, Installation and Commissioning of Hyper-converged Infrastructure with Virtualization Software Licenses and Backup Solution for WBSETCL, Govt. of WB.
4.	Tender Fee	Rs.6000.00 (Rupees Six thousand only). The amount to be transferred online through e-tender portal.
5.	Earnest Money Deposit	Rs.14,00,000.00 (Rupees Fourteen Lac Only). The amount to be transferred online through e-tender portal.
6.	Date of Downloading/Sale of Tender document	14.03.2026
7.	Pre-Bid Meeting date & time	24.03.2026 at 15.00 Hrs.(On-Line Meeting) <ul style="list-style-type: none">• Pre-Bid meeting will be organized online platform only.• Only queries as per format (Section - M) reaching WTL by 23.03.2026 at 15.00 Hrs. will be taken for decision.• Interest bidders are requested to send mail to purchase@wtl.co.in for participation of online pre-bid meeting. Based on request WTL will share meeting id / links for meeting. Queries will be sent to Manager (Purchase)(purchase@wtl.co.in)
8.	Bid Submission Start date & time	02.04.2026 4PM
9.	Last date & time of EMD & Tender Fee submission intimation.	Before Uploading of Tender
10.	Last date & time of Bid Submission	06.04.2026 4PM
11.	Date & time of Technical Bid Opening	08.04.2026 4PM
12.	WTL Address	WEBEL TECHNOLOGY LIMITED (A Govt. of West Bengal Undertaking) Plot - 5, Block – BP, Sector – V, Salt Lake City, Kolkata – 700091.
13.	Contact person	033-23673403-06

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1. Intending bidder may download the tender documents from the website <https://wbtenders.gov.in> directly with the help of Digital Signature Certificate. Necessary tender fee may be remitted online through e-tender portal in favour of “Webel Technology Limited” and also to be documented through e-filing. Necessary Earnest Money Deposit (EMD) may be remitted online through e-tender portal in favour of “Webel Technology Limited” and also to be documented through e-filing.
2. Both Techno Commercial Bid and Financial Bid are to be submitted concurrently duly digitally signed in the website <https://wbtenders.gov.in>.
3. Tender documents may be downloaded from website and submission of Techno Commercial Bid and Financial Bid will be done as per Time Schedule stated in Section – C of this Tender Document.
4. The Financial Bid of the prospective Bidder will be considered only if the Techno Commercial Bid of the bidder is found qualified by the Tender Committee. The decision of the ‘Tender Committee’ will be final and absolute in this respect. The list of Qualified Bidders will be displayed in the website.
5. All clarifications / corrigenda will be published only on the <https://wbtenders.gov.in>.

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SECTION-A

SCOPE OF WORK& RESPONSIBILITY

Job title: Supply, Installation and Commissioning of Hyper-converged Infrastructure with Virtualization Software Licenses and Backup Solution for WBSETCL, Govt. of WB.

Requirement Overview

Webel Technology Ltd. (WTL) on behalf of WBSETCL, Govt. of WB intends to select a vendor for the supply, installation, commissioning, and maintenance of an on-premises Private Cloud Infrastructure for the WBSETCL, Govt. of WB, based on Hyper Converged Infrastructure (HCI) to be deployed within the Court's premises.

WTL proposes to appoint a Solution Integrator (hereinafter referred to as the "Bidder") to implement and support this on-premises Private Cloud Infrastructure, with the capability to scale in line with workload requirements as and when needed during the contract period.

The Bidder will be responsible for designing and provisioning the required IT infrastructure, cloud software, and associated services for deploying and hosting various applications of the WBSETCL, Govt. of WB. The Bidder shall assess the existing application landscape to be hosted on the cloud infrastructure to understand application workload criticality, complexity, and associated network connectivity requirements.

In exercise of power conferred under Section 131(4) of the Electricity Act 2003, the Govt. of West Bengal unbundled West Bengal state Electricity Board into two Companies viz. West Bengal State Electricity Distribution Company Limited (WBSEDCL) and West Bengal State Electricity Transmission Company Limited (WBSETCL). Under the West Bengal Power Sector Reforms Transfer Scheme 2007, activities relating to Transmission and Load Dispatch business of WBSEB were transferred to West Bengal State Electricity Transmission Company Limited (WBSETCL). In effect of the Power Sector Reforms Transfer Scheme 2007, West Bengal State Electricity Transmission Company Limited was incorporated under the provisions of the Companies Act 1956 on 16.02.2007 and other obtained Certificate of Commencement of business on 21st March, 2007. WBSETCL is wholly owned by Govt. of West Bengal and is a professionally managed, a multi-sited Power Transmission Company in Eastern India.

WBSETCL is undertaking large-scale digital transformation initiatives focused on process standardization and implementation of state-of-the art technology. In this context, WBSETCL seeks to engage experienced and qualified IT service providers capable of delivering secure, scalable and future-ready technology solutions aligned with its strategic direction and statutory responsibilities.

For System Integrator

1) Supply: Entrusted bidder must supply and implement the project work as per work order. Supplied components must satisfy the minimum specifications as described in Section-I against each component. The bidder should ensure against obsolescence of the quoted product minimum for next 7 years from the date of installation of the product. Bidder is allowed to propose only one make / model per system for the proposed solution. The bidder has to mention the reference in the compliance statement against each item in accordance to the data sheet / solution document uploaded by them.

2) Installation, Integration & Implementation: Bidder must Install, integrate & implement solution as per work order. Billing should be done on actual basis. Post installation warranty & AMC support are the sole responsibility of the Bidder for 5 years duration from the date of installation.

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3) OEM responsibility: Bidder to include confirmation (MAF) from the respective OEMs for the products / warranty service / subscription proposed (if required) by them

4) Project Management: Selected bidder will be required to perform the following project management tasks for the assigned areas:

- a. Provide a detailed strategy and work plan for their scope of work.
- b. Identify and address functional / technical issues that may arise during the project.

5) Support and Maintenance: Bidder should submit detailed project implementation documentation to WTL after successful integration. Bidder will provide warranty support service for all the equipment's with back-to-back OEM support. Bidder will attend the call for any problem reported to WTL team during entire warranty period.

6) Acceptance: After successful installation & Commissioning, installation report prepared by WTL (Webel Technology Limited) to be signed and sealed with date by appropriate authority of concerned departments.

7) The SI should guarantee the rectification of Materials in case of any failure during the warranty period of 5 years. SI should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in West Bengal for attending the after sales service. Details of Service Centers near concerned destination to be uploaded along with the bid. BIDDER / OEM must have Dedicated / toll Free Telephone No. for Service Support. If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract.

8). Payment shall be made back-to-back basis (payment will be made only on receipt of payment from relevant customer) only and after submission of documentary evidence of having Functional Service Centre.

9) On-site Comprehensive Warranty period of the supplied products shall be 5 years from the date of final acceptance of Materials or after completion of installation, commissioning & testing of Materials, at concerned location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of materials.

10) Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

11) Escalation Matrix for Service Support: Bidder must provide Escalation Matrix of Telephone Numbers for Service Support center. Installation, Commissioning, Testing, Configuration, Training (if any - whichever is applicable as per scope of supply) is to be carried out by SI, OEM Certified resource or OEM authorized Reseller.

12) The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. Bidders are bound to accept the orders accordingly with their proposed rate.

13) The successful bidder / OEM shall have to provide 5 years on-site Comprehensive Warranty during the entire warranty period as per contract. The comprehensive warranty / support maintenance / trouble shooting shall be covering under the scope of work. For attending any calls and setting any malfunction, a down time of more than 48 hours shall not be allowed and time taken beyond this permissible down time of 48 hours or 2 days shall be liable for a penalty as per the penalty clause.

14) A dedicated project manager to be assigned for the project who will act as a single point of contact between WBSETCL, Govt. of WB and WTL and will also be involved in the day-to-day activity and monitoring of calls if required. Each call attended should be followed with call report signed by the respective court authority.

15) Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Materials and Training of users, Successful bidder will have to ensure that adequate

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number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

16) The Bidder has to submit the compliance sheet on the letterhead duly signed by the authorized signatory along with other supporting documents as per RFP. Failing to submit the same or non-compliance/deviation from any terms and conditions, eligibility criteria or technical specifications, may result in rejection of the Bid.

17) The successful bidder of each part is required to produce OEM's confirmation on OEM letterhead with Sr. nos. of product(s) supplied for back-to-back warranty support as per terms & conditions of the RFP.

18) If any equipment gives continuous trouble, for more than 3 times within one month during the warranty period or does not work at all as required, the successful Bidder shall replace the same, with new equipment having the same or higher configuration without any additional cost to the user Department.

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SECTION – B

ELIGIBILITY CRITERIA

1. The bidder must be a company registered under Companies Act, 1956/2013 or Partnership or LLP or OPC or Proprietary Firm. Documentary evidence to be submitted.
2. The bidder should have valid GST Registration Number & PAN. Bidder shall have to submit photocopy of the documents.
3. The bidder shall have undertaken “Similar Nature of work” of at least One (01) order of an amount not less than Rs.4.5 Crore or two (02) orders totally of an amount not less than Rs.7 Crore or Three (03) orders totally of an amount not less than Rs.9 Crore over the preceding seven financial years in Government Department /PSU/Autonomous Body /any reputed organization in the country. At least one of such projects shall have been completed during the preceding seven financial years. Reference order copies for the project to be submitted.
4. “Similar Nature of Work “means shall include supply, installation, operations and maintenance of infrastructure viz. Servers and Storage, Network Security Equipment pertaining to Data Centre.
5. Bidder should submit escalation matrix with all details for resolutions of technical and administrative issues.
6. The bidder should have Annual Turnover of not less than Rs 30 Crore over the last three financial years (FY–2024-25, 2023-24, 2022-23). Bidder shall have to submit Audited Accounts / Auditor Certificate in support of their claim.
7. The bidder should have positive net worth over the last three financial years (FY–2024-25, 2023-24, 2022-23). Bidder shall have to submit Audited Accounts / Auditor Certificate in support of their claim.
8. The bidder should submit Manufacturer’s Tender Specific Authorizations for DC Built OEM/ Compute & Storage, NW Security OEM and MAF for the OEM of Virtualization Professional Service as per format enclosed (Section - P). Authorization to be submitted on OEM’s letter head and signed by authorized signatory.
9. The Bidder must have certification for the following standards: ISO 9001:2015, ISO 27001:2022. Copy of valid Certificate to be submitted.
10. The bidder shall submit Bid Form (Section – E) duly signed by the authorized signatory of the company as per the format enclosed. Deviation in format may not be accepted.
11. The bidder shall not have been blacklisted by any State/Central Government or PSU Organization or bilateral/multilateral funding agencies for breach of ethical conduct or fraudulent practices as on date of submission of the proposal. Declaration on bidder’s letter head to be submitted.
12. Bidder shall submit NIT Declaration for Bidder (Section – R) duly signed by the authorized signatory of the company as per the format enclosed. Deviation in format may not be accepted.
13. Bidder shall submit details of call center and service center in Kolkata for docketing and servicing requests related to the scope of tender.
14. Bidder shall have office in Kolkata, documentary evidence to be submitted .

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SECTION – C

DATE AND TIME SCHEDULE

Sl. No.	Particulars	Date & Time
1	Date of uploading of N.I.T. & other Documents (online) (Publishing Date)	14.03.2026
2	Documents download/sale start date (Online)	14.03.2026
3	Last Date and time of sending the queries (Online)	23.03.2026 3pm
4	Pre-Bid Meeting at WTL Office (Online)	24.03.2026 3pm
5	Corrigendum, if any will be published (On Line)	-
6	Bid Submission start date & time (On line)	02.04.2026 4pm
7	Last Date & time of submission of Earnest Money Deposit & submission of remittance details	Before Uploading of Tender
8	Last Date & time of submission of Tender Fee & submission of remittance details	Before Uploading of Tender
9	Bid Submission closing date & time (On line)	06.04.2026 4pm
10	Bid opening date & time for Technical Proposals (Online)	08.04.2026 4pm
11	Date of uploading the final list of Technically Qualified Bidder (online) after disposal of appeals, if any	-
12	Date for opening of Financial Bid (Online)	-

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SECTION-D

INSTRUCTIONSTOBIDDER

1. DEFINITIONS

In this document, the following terms shall have following respective meanings:

“Acceptance Test Document” means a document, which defines procedures for testing the functioning of installed system. The document will be finalized with the contractor within 7 days of issuance of the Letter of Award/Confirm Work Order.

“Agreement” means the Agreement to be signed between the successful bidder and WTL including all attachments, appendices, all documents incorporated by reference thereto together with any subsequent modifications, the RFP, the bid offer, the acceptance and all related correspondences, clarifications, presentations.

“Bidder” means any firm offering the solution(s), service(s) and /or materials required in the RFP. The word Bidder when used in the pre award period shall be synonymous with Bidder, and when used after award of the Contract shall mean the successful Bidder with whom WTL signs the agreement for supply, install, commission and render services for the systems.

“Contract” is used synonymously with Agreement.

“Contract Price” means the price to be paid to the Contractor for providing the Solution, in accordance with the payment terms.

“Contractor” means the Bidder whose bid to perform the Contract has been accepted by Tender Committee and is named as such in the Letter of Award.

“Default Notice” means the written notice of Default of the Agreement issued by one Party to the other.

“Installation” means Supply, Installation and Commissioning of Hyper-converged Infrastructure with Virtualization Software Licenses and Backup Solution for WBSETCL, Govt. of WB.

“Fraudulent Practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a Contract and includes collusive practice among Bidders (prior to or after Bid submission) designed to establish Bid prices at artificial noncompetitive levels and to deprive the benefits of free and open competition.

“Good Industry Practice” shall mean the exercise of that degree of skill, diligence and prudence which would reasonably and ordinarily be expected from a reasonably skilled and experienced Operator engaged in the same type of undertaking under the same or similar circumstances.

“Government” / “Gov. of W. Bengal” means the Government of West Bengal.

“GoI” shall stand for the Government of India.

“GoWB” means Government of West Bengal

“WTL” means Webel Technology Limited, a Gov. of W. Bengal undertaking.

“WBSETCL” means West Bengal State Electricity Transmission Company Limited, Govt. of WB .

“Personnel” means persons hired by the Bidder as employees and assigned to the performance of the Infrastructure Solution or any part thereof.

“Project” means Supply, Installation and Commissioning of Hyper-converged Infrastructure with

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Virtualization Software Licenses and Backup Solution for WBSETCL, Govt. of WB.

“**Implementation Period**” shall mean the period from the date of signing of the Agreement and up to the issuance of Final Acceptance Certificate for the project.

“**Services**” means the work to be performed by the Bidder pursuant to this Contract, as described in the detailed Scope of Work.

“**Similar Nature of Work**” means shall include supply, installation, operations and maintenance of infrastructure viz. Servers and Storage / network / NW Security equipment pertaining to Data Centre and/or Data warehouse management

“**Law**” shall mean any Act, notification, by e law, rules and regulations, directive, ordinance, order or instruction having the force of law enacted or issued by the Central Government and/or the Government of West Bengal or any other Government or regulatory authority or political subdivision of government agency.

“**LOI**” means issuing of Letter of Intent shall constitute the intention of the WTL to place the Purchase Order with the successful bidder.

“**Operator**” means the company providing the services under Agreement.

“**Period of Agreement**” means 5 years from the date of Final commissioning of the Project.

“**Requirements**” shall mean and include schedules, details, description, statement of technical data, performance characteristics, standards (Indian as well as International) as applicable and specified in the Contract.

“**Service**” means the work to be performed by the Bidder pursuant to this Contract, as described in the detailed Scope of Work.

“**Termination Notice**” means the written notice of termination of the Agreement issued by WTL.

“**Uptime**” means the time period when specified services are available with specified technical and service standards as mentioned in section titled WARRANTY SUPPORT” “%**Uptime**” means ratio of 'up time' (in minutes) as mentioned in section titled “Warranty support”

“**Service Down Time**” (SDT) means the time period when specified services with specified technical and operational requirements as mentioned in section titled “WARRANTY SUPPORT” are not available to Gov. of W. Bengal and its user departments and organizations.

2. PRE BID MEETING

Pre Bid Meeting will be held on 24.03.2026 at 15.00 hrs. (On-Line Meeting). Bidder can send their queries as per format (Section - M) to Manager (Purchase) (purchase@wtl.co.in). Only the queries received within the stipulated date prior to the Pre Bid Meeting will be answered. Interest bidders are requested to send mail to (purchase@wtl.co.in) for participation of online pre-bid meeting. Based on request WTL will share meeting id / links for meeting. If there is any change in date and time then will inform.

3. COST OF BIDDING

The bidder shall bear all costs associated with the preparation and submission of the bid and WTL will no case be responsible for those costs regardless of the conduct or outcome of the bidding process.

4. BID DOCUMENT

Bidder is expected to examine all instructions, forms, terms and requirement in the bid document. The invitation to bid together with all its attachment thereto shall be considered to be read, understood and accepted by the bidder unless deviations are specifically stated in the seriatim by the bidder. Failure to furnish all information required by the bid document or a bid not substantially responsive to the bid document in every respect may result in cancellation of the bid.

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5. AMENDMENT OF BID DOCUMENT

At any time prior to the deadline for submission of proposals, WTL reserves the right to add/modify/delete any portion of this document by issuance of a Corrigendum, which would be published on the website and will also be made available to the all the Bidder who have been issued the tender document. The Corrigendum shall be binding on all bidders and will form part of the bid documents.

6. MODIFICATION AND WITHDRAWAL OF BIDS

The bidder cannot modify or withdraw its bid after submission.

7. LANGUAGE OF BID & CORRESPONDENCE

The proposal will be prepared by the Bidder in English language only. All the documents relating to the proposal (including brochures) supplied by the firm should also be in English, and the correspondence between the Bidder & WTL will be in English language only. The correspondence by fax/E-mail must be subsequently confirmed by a duly signed formal copy.

8. BIDDER'S SOLUTION

The bidders are requested to study the Bill of Material supplied with this document carefully. While working out the solution the bidder has to work with the broad minimum specification provided in the tender documents, conforming to the model, make and Part number (wherever provided). While submitting the bid the bidder has to detail out all components needed to complete the system BOM. The bidder is required quote for each item retaining all major components/sub system detailed and specified. As the contractor will be responsible for smooth functioning of the system, availability of spares during the tenure of the warranty period have to be take care by the contractor to maintain the guaranteed uptime.

9. EARNEST MONEY DEPOSIT (EMD)& TENDER FEE

The bidder shall furnish Online Receipt against payment of Tender Fees and Earnest Money Deposit.

10. REFUND OF EMD

EMD will be refunded to the unsuccessful bidders without interest by following guidelines of circular 3975-F(Y) dated 28/07/2016 on final selection of Successful Bidders.

11. FORFEITURE OF EMD

EMD made by Bidder may be forfeited under the following conditions:

If Bidder withdraws the proposal before the expiry of validity period.

During the evaluation process, if a Bidder indulges in any such activity as would jeopardize the process, the decision of WTL regarding forfeiture of EMD shall be final and shall not be called upon question under any circumstances.

If Bidder violates any of the provisions of the terms and conditions of the proposal.

In the case of a successful Bidder, if Bidder fails to:

- a) Accept the work order along with the terms and conditions.
- b) Furnish performance security.
- c) Violates any of the work conditions of this proposal or indulges in any such activities as would jeopardize the work.
- d) Submitting false/misleading information/declaration/documents/proof/etc.

The decision of WTL regarding forfeiture of EMD shall be final and shall not be called upon to question under any circumstances, besides, forfeiture of EMD even the Bidder will be deferred from participating in any job for a period of one year.

12. FORMS AND FORMATS

The various inputs for the Techno Commercial as Financial Bids are to be submitted in the format specified. The bidder shall use the form, wherever specified, to provide relevant information. If form

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does not provide space for any required information, space at the end of the form or additional sheets shall be used to convey the said information. For all other cases, the bidder shall design a form to hold the required information.

13. LACK OF INFORMATION TO BIDDER

The bidder shall be deemed to have carefully examined the Bid document to his entire satisfaction. Any lack of information shall not relieve the bidder of his responsibility to fulfill his obligation under the bid. If bidder has any queries relating to bid document, then he can send the queries before the Pre Bid Meeting.

14. CONTRACT EXECUTION

On receipt of the Letter of Award the contractor should submit a Performance Bank Guarantee (PBG) equivalent to 10% of the total contract value within 7 DAYS from the date of receipt of Letter of Award/Order. The PBG should be valid for six month more than the warranty period. All delivery of the material will have to be completed within 6 (SIX) weeks from the date of acceptance of contract and the contractor has to ensure all activities leading to the commissioning of the contract to be completed within 45 days from the date of award. Subsequent to the award of contract, the contractor will have to arrange for the requisite material as per BOM.

15. TIME SCHEDULE FOR DELIVERY & INSTALLATION

The total delivery, installation & commissioning will have to be completed within 6 weeks from the date of LOI/Order.

16. LIQUIDATED DAMAGE

The job includes the supply and installation of materials mentioned in the tender document. In the event of failure to meet the job completion in stipulated date/time liquidated damage may be imposed on the contractor for sum not less than 0.5% of the contract value for undelivered/uninstalled items, each week or part thereof, subject to a ceiling of 3% of the total contract value (including all taxes & duties and other charges). In the event of LD exceeds 3% of the order value, WTL reserves the right to terminate the contract and WTL will get the job completed by any other competent party. The difference of cost incurred by WTL will be recovered from the contractor and PBG will be invoked.

17. LIABILITY

In case of a default on bidder's part or other liability, WTL shall be entitled to recover damages from the Contractor. In each such instance, regardless of the basis on which WTL is entitled to claim damages from the Contractor (including fundamental breach, negligence, misrepresentation, or other contract or tort claim), Contractor shall be liable for no more than:

- Payment referred to in the Patents and Copyrights clause.
- Liability for bodily injury (including death) or damage to real property and tangible personal property limited to that cause by the Contractor's negligence.
- As to any other actual damage arising in any situation involving nonperformance by Contractor pursuant to or in any way related to the subject of this Agreement, the charge paid by WTL for the individual product or Service that is the subject of the Claim. However, the contractor shall not be liable for
- For any indirect, consequential loss or damage, lost profits, third party loss or damage to property or loss of or damage to data.

For any direct loss or damage that exceeds the total payment for Contract Price made or expected to be made to the Contractor hereunder.

18. PATENTS & COPYRIGHT

If a third party claims that a product delivered by the Contractor to WTL infringes that party's patent or copyright, the Contractor shall defend WTL against that claim at Contractor's expense and pay all costs, damages, and attorney's fees that a court finally awards or that are included in a settlement approved by the Contractor, provided that WTL.

- Promptly notifies Contractor in writing of the claim
- Allows Contractor to control and co-operate with Contractor in the defense and any related settlement negotiations.

Remedies: If such a claim is made or appears likely to be made, WTL would permit Contractor to

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enable WTL to continue to use the product, or to modify it, or replace it with one that is at least functionally equivalent. If Contractor determines that none of these alternatives is reasonably available, WTL agrees to return the product to Contractor on Contractor's written request. Contractor will then give WTL a credit equal to for a machine. WTL's net book value (provided WTL has followed generally accepted accounting principles for a generally available software product produced by Contractor (Program) the amount paid by WTL or 12 months charges (whichever is lesser) and for materials the amount paid by WTL for the materials. These will be Contractor's entire obligation regarding any claim of infringement.

19. SUSPENSION OF WORK

WTL shall have the power at any time and from time to time by notice to the Contractor to delay or suspend the progress of the work or any part of the work due to any other adequate reasons and on receipt of such notice the contractor shall forthwith suspend further progress of the work until further notice from WTL. The Contractor shall recommence work immediately after receiving a notice to do so from WTL. The whole or any part of the time lost for such delay or suspension shall, if WTL in its absolute discretion thinks fit, but not otherwise, be added to the time allowed for completion.

20. TERMS OF PAYMENT

Payment terms will be on back-to-back basis, i.e., payment will be made only on receipt of payment from relevant customer, i.e., WBSETCL.

21. GOVERNING LAWS

This contract should be governed by and interpreted by Arbitration clause in accordance with Laws in force in India. The courts at Kolkata shall have exclusive jurisdiction in all matters arising under the contract. The selected vendor shall keep himself fully informed of all current national, state and municipal law and ordinances. The selected vendor shall at their own expense, obtain all necessary permits and license and pay all fees and taxes required by law. These will be selected vendor's entire obligation regarding any claim of infringement. The selected vendor hereto agrees that it shall comply with all applicable union, state and local laws, ordinances, regulations and codes in performing its obligations hereunder, including the procurement of licenses, permits certificates and payment of taxes where required. The selected vendor shall establish and maintain all proper records (particularly, but without limitation, accounting records) required by any law, code/practice of corporate policy applicable to it from time to time including records and returns as applicable under labor legislation.

22. CORRUPT OR FRAUDULENT PRATICES

The Tender Committee requires that the bidders under this Tender observe the highest standards of ethics during the procurement and execution of such contracts. For this purpose, the definition of corrupt and fraudulent practices will follow the provisions of the relevant laws in force. The Tender Committee will reject a proposal for award if it detects that the bidder has engaged in corrupt or fraudulent practices in competing for the contract in question. The Tender Committee will declare a firm ineligible, either indefinitely or for a stated period of time, if it at any time determines that the firm has engaged in corrupt and fraudulent practices in competing for, or in executing, a contract.

23. BINDING CLAUSE

All decisions taken by the Tender Committee regarding the processing of this tender and award of contract shall be final and binding on all parties concerned. The Tender Committee reserves the right:

- To vary, modify, revise, amend or change any of the terms and conditions mentioned above and,
- To reject any or all the Tender/s without assigning any reason whatsoever thereof or to annul the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for such decision.

24. WORKMEN'S COMPENSATION

In every case in which by virtue of the provision of the workmen's compensation Act 1923 or any other relevant acts and rules, compensation to a workman employed by the contractor, is payable, then this should be done by the Contractor. If WTL is obliged to make any compensation under the said rules

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and acts, then the amount shall be recovered without prejudice, from the bills and due of the Contractor. WTL shall not be bound to contest any claim made against the Contractor in respect of workmen's compensation.

25. CONTRACTOR'S EMPLOYEES

The Contractor shall comply with the provision of all labour legislation including the requirement of the payment of Wage Act 1936 and the rules framed there under and modifications thereof in respect of men employed by him in carrying out the contract. The Contractor must ensure that he complies with PF, ESI regulation for all his deployed employees. The Contractor shall see that all authorized Sub Contractors under him similarly complied with the above requirement.

26. SAFETY MEASURES

The Contractor shall in the course of execution of the work take all necessary precaution for the protection of all persons and property. The Contractor shall take adequate measures to protect the work and prevent accident during the work. In the event of any accident to any person or persons or damage or injury of any description to any person or property due to failure on the part of the contractor in taking proper precautionary measures the contractor shall be responsible for and must make good the loss the damage at his own cost to the satisfaction of the department and employees of the department shall be indemnified from all claims or liabilities arising there from or any expenses incurred on account thereof.

27. EQUIPMENT

All tools & tackles necessary for the work shall have to be procured by the contractor unless otherwise specified elsewhere in these tender documents. The equipment used by the contractor for a particular work must be appropriate for the type of work. The contractor shall maintain the equipment used on the work properly so that they are in good working condition. In no case shall the contractor use defective or imperfect equipment in the work. The contractor shall arrange to replace or repair all defective equipment so that the progress of the work is not hampered. No defective equipment should be left at the site of work and the department shall not be responsible for any loss or damage to any of these equipments during the course of the execution of the work.

28. SUB-CONTRACT

The purchaser (WTL) does not recognize the existence of Sub-Contractors. The Contractor's responsibility is not transferable. No consortium partner is allowed.

29. TERMINATION FOR DEFAULT

WTL may without prejudice to any other remedy or right of claim for breach of contract by giving not less than 30 days written notice of default sent to the contractor, terminate the order in whole or in part. If the contractor materially fails to render any or all the services within the time period specified in the contract or any extension thereof granted by WTL in writing and fails to remedy its failure within a period of thirty days after receipt of default notice from WTL. If the project (delivery, commissioning as well as warranty maintenance support is not carried out according to specification due to deficiency in service as per terms of the contract. In such case WTL will invoke the amount held back from the contractor as PBG.

30. BANKRUPTCY

If the contractor becomes bankrupt or have a receiving order made against him or compound with his creditors or being a corporation commence to be wound up, not being a voluntary winding up for the purpose only or amalgamation or reconstruction, or carry on their business under a receiver for the benefit of their creditors or any of them, WTL shall be at liberty to terminate the engagement forthwith without any notice in writing to the contractor or to the liquidator or receiver or to any person in whom the contractor may become vested and without any compensation to give such liquidator or receiver or other person the option of carrying out the engagement subject to their providing a guarantee for the due and faithful performance of the engagement up to an amount to be determined by WTL.

31. FORCE MAJEURE

It is hereby defined as any cause, which is beyond the control of the Contractor or WTL as the case may be, which such party could not foresee or with a reasonable amount of diligence could not have foreseen and which substantially affect the performance of the contract, such as

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- War, Hostilities or warlike operations (whether a state of war be declared or not), invasion, act of foreign enemy and civil war.
- Rebellion, revolution, insurrection, mutiny, usurpation of civil or military, government, conspiracy, riot, civil commotion and terrorist area.
- Confiscation, nationalization, mobilization, commandeering or requisition by or under the order of any government or de facto authority or ruler, or any other act or failure to act of any local state or national government authority.
- Strike, sabotage, lockout, embargo, import restriction, port congestion, lack of usual means of public **transportation** and communication, industrial dispute, shipwreck, shortage of power supply epidemics, quarantine and plague.
- Earthquake, landslide, volcanic activity, fire flood or inundation, tidal wave, typhoon or cyclone, hurricane, nuclear and pressure waves or other natural or physical disaster.

If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances of the event of Force Majeure within fourteen days after the occurrence of such event. The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered or delayed.

The party or parties affected by the event of Force Majeure shall use reasonable efforts to mitigate the effect of the event of Force Majeure upto its or their performance of the Contract and to fulfill its or their obligation under the Contract but without prejudice to either party's right to terminate the Contract.

No delay or nonperformance by either party to this Contract caused by the occurrence of any event of Force Majeure shall.

- Constitute a default or breach of the contract.
- Give rise to any claim from damages or additional cost or expense occurred by the delay or nonperformance. If, and to the extent, that such delay or nonperformance is caused by the occurrence of an event of Force Majeure.

32. INSURANCE COVERAGE

Appropriate insurance to cover all solution components for the transit period and until the time of its acceptance at the respective site is to be taken by the contractor. As the contractor will carry the risk for the material in his books during transit, the contractor should arrange insurance for the total system as period from the dispatch till Acceptance Test is successfully achieved. Further the contractor is to take all required insurance coverage in respect of all its personnel who shall be working on this engagement.

33. WARRANTY

The successful bidder will warranty the items supplied under the contract are newly made and are free from defects in the design, engineering and workmanship. The successful bidder will be responsible for the up keep and maintenance of the infrastructure and necessary deliverables under the scope of work during the entire warranty period. The successful bidder must furnish warranty certificate for all items supplied for a period of 5 years from the date of successful commissioning of the project. The overall configuration as certified by WBSETCL should be done by the L1 bidder. Services support for the entire warranty period will be onsite and comprehensive (including spares) and free of cost for the entire warranty period.

34. WARRANTY SUPPORT

The total system will be warranted against bad workmanship and manufacturing defects from the date of acceptance of the system whole or part. Service support for the entire warranty period will be on site and comprehensive (including spares and all software support) and free of cost for the entire warranty period.

The bidder should have a call centre working from at least 09:00 hrs. to 21:00 hrs. in Kolkata. The contact details of the call centre must be furnished along with the bid. Any call logged with the service centre must be given a running docket number to the person reporting the call.

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The average uptime averaged over each quarter should be as follows:

Category	Uptime Requirement	Maximum Downtime permitted per quarter
Supply, Installation and Commissioning of Hyper-converged Infrastructure with Virtualization Software Licenses and Backup Solution for WBSETCL, Govt. of WB.	99.0%	1) 48 Hours

If the uptime goes below the prescribed limit in any quarter, the same will be noted. At the scheduled end of the warranty period the total of such deviation will be done and the contractor will have to extend the warranty support by the default time. Penalty shall be deducted for deviation of warranty support.

35. PERFORMANCE BANK GUARANTEE (PBG)

As a guarantee for timely delivery, installation and commissioning of equipment as well as performance of on-site warranty support, as mentioned in Bill of Material, from the date of final acceptance of systems and pertaining to proper running of the systems, the bidder will have to submit 10% of the contract value as security in the form of Performance Bank Guarantee from any RBI Scheduled bank as per format enclosed (Section – Q).

36. SI/BIDDER/CONTRACTOR'S RESPONSIBILITIES

Refer Section - A

37. NO WAIVER OF RIGHTS

Neither the inspection by WTL or any of their agents nor any order by WTL for payment of money or any payment for or acceptance of the whole or any part of the works by WTL, nor any extension of time, nor any possession taken by WTL shall operate as a waiver of any provision of the contract or of any power reserved to WTL, or any right to damages here in provided, nor shall any waiver of any breach in the contract be held to be a waiver of any other subsequent breach.

38. ENFORCEMENT OF TERMS

The failure of either party to enforce at any time any of the provision of this contract or any rights in respect thereto or to exercise any option here in provided shall in no way be construed to be a waiver to such provisions, rights or options or in any way to affect the validity of the contract. The exercise by either party of any of its rights herein shall not preclude or prejudice either party from exercising the same or any other right it may have hereunder.

39. PERIOD OF VALIDITY OF OFFER

For the purpose of placing the order, the proposals shall remain valid till 180 days. During the period of validity of proposals, the rates quoted shall not change. In exceptional circumstances, WTL may ask for extension of the period of validity and such a request shall be binding on Bidders. WTL's request and the response to such a request by various Bidders shall be in writing. A Bidder agreeing to such an extension will not be permitted to increase its rates.

40. TAXES & DUTIES

- The prices shall be inclusive of all taxes & levies including GST and other statutory duties as applicable. Rate of taxes should be indicated separately in the Price Bid.
- Contract Price specified in Price Bid should be based on the taxes & duties and charges prevailing at the date one day prior to the last date of Bid submission.
- Statutory deduction, wherever applicable, shall be made from invoice as per government rules. Necessary certificate will be issued for such deductions.

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- Bidder submitting a bid shall produce valid statutory documents / certificates with respect to GST, Income Tax, ROC, Prof. Tax, Trade License, etc. All such documents / certificates shall remain valid on the last date of tender submission.
- In case of inter-state transaction, WTL will provide "Waybill". However, statutory charges, if any will be borne by the bidder.
- GST component of the invoice of the bidder may be kept on hold in case there is any mismatch / irregularity in GST return filing on the part of the bidder.

41. DISCREPANCIES IN BID

- Discrepancy between description in words and figures, the rate which corresponds to the words quoted by the bidder shall be taken as correct.
- Discrepancy in the amount quoted by the bidder due to calculation mistake of the unit rate then the unit rate shall be regarded as firm.
- Discrepancy in totaling or carry forward in the amount quoted by the bidder shall be corrected.

42. BID DUE DATE

The tender shall be submitted not later than the due date and time specified in the Important Dates Sheet. WTL may at its discretion on giving reasonable notice by fax, or any other written communication to all prospective bidders who have been issued the bid documents, extend the bid due date, in which case all rights and obligations of the WTL and the bidders, previously subject to the bid due date, shall thereafter be subject to the new bid due date as extended.

43. LATE BID

Any proposal received after the deadline for submission of proposals may not be accepted.

44. OPENING OF BID BY WTL

Bids shall be opened and downloaded electronically through operation of the process in the e-Tender portal in presence of Tender Committee. Bidders interested to remain present during electronic bid opening may attend the bid opening session at WTL premises at scheduled date & time.

45. CONTACTING WTL

Bidder shall not approach WTL officers beyond office hours and/or outside WTL office premises from the time of the Bid opening to the time of finalization of successful bidder. Any effort by bidder to influence WTL office in the decision on Bid evaluation, Bid comparison or finalization may result in rejection of the Bidder's offer. If the bidder wishes to bring additional information to the notice of WTL, it should be in writing.

46. WTL'S RIGHT TO REJECT ANY OR ALL BIDS

WTL reserves the right to reject any bid and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for such decision.

47. BID CURRENCIES

Prices shall be quoted in Indian Rupees, inclusive of all prevailing taxes, levies, duties, cess etc.

48. PRICE

- Price should be quoted in the BOQ format only. No deviation is acceptable.
- Price quoted should be firm, inclusive of packing, forwarding, insurance and freight charges.
- Percentage/specified amount of taxes & duties should be clearly mentioned otherwise WTL reserves the right to reject such vague offer.
- Price to be quoted inclusive of supply, installation & commissioning charges.

49. CANVASSING

Canvassing or support in any form for the acceptance of any tender is strictly prohibited. Any bidder doing so will render him liable to penalties, which may include removal of his name from the register of approved Contractors.

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50. NON-TRANSFERABILITY OF TENDER

This tender document is not transferable.

51. FORMATS AND SIGNING OF BID

The original and all copies of the proposals shall be neatly typed and shall be signed by an authorized signatory (ies) on behalf of the Bidder. The authorization shall be provided by written Power of Attorney accompanying the proposal. All pages of the proposal, except for un-amended printed literature, shall be initialed by the person or persons signing the proposal. The proposal shall contain no interlineations, erase or overwriting. In order to correct errors made by the Bidder, all corrections shall be done & initialed with date by the authorized signatory after striking out the original words/figures completely.

52. WITHDRAWAL OF BID

Bid cannot be withdrawn during the interval between their submission and expiry of Bid's validity period. Fresh Bid may be called from eligible bidders for any additional item(s) of work not mentioned herein, if so required.

53. INTERPRETATION OF DOCUMENTS

If any bidder should find discrepancies or omission in the specifications or other tender documents, or if he should be in doubt as to the true meaning of any part thereof, he shall make a written request to the tender inviting authority for correction/clarification or interpretation or can put in a separate sheet along with his technical bid document.

54. SPLITTING OF THE CONTRACT AND CURTAILMENT OF WORK

WTL reserve the right to split up and distribute the work among the successful bidders and to curtail any item of work in the schedule partly or fully.

55. PREPARATION OF TENDER

Tender shall be submitted in accordance with the following instructions:

- a) Tenders shall be submitted in the prescribed forms. Digital signatures shall be used. Where there is conflict between the words and the figures, the words shall govern.
- b) All notations must be in ink or type written. No erasing or overwriting will be permitted. Mistakes may be crossed out and corrections typed or written with ink adjacent thereto and must be initialed in ink by the person or persons signing the tender.
- c) Tenders shall not contain any recapitulation of the work to be done. Alternative proposals will not be considered unless called for. No written, oral, telegraphic or telephonic proposals for modifications will be acceptable.
- d) Tenders shall be uploaded as notified on or before the date and time set for the opening of tenders in the Notice Inviting Tenders.
- e) Tenders subject to any conditions or stipulations imposed by the bidder are liable to be rejected.
- f) Each and every page of the tender document must be signed with company seal by the bidder.

56. CLARIFICATION OF BIDS

During evaluation of the bids, the Customer/Tender Committee, at its discretion may ask the bidder for clarification of its bid. The request for the clarification and the response shall be in writing (fax/email) and no change in the substance of the bid shall seek offered or permitted.

57. COMPLIANCE WITH LAW

The contractor hereto agrees that it shall comply with all applicable union, state and local laws, ordinances, regulations and codes in performing its obligations hereunder, including the procurement of licenses, permits certificates and payment of taxes where required.

The contractor shall establish and maintain all proper records (particularly, but without limitation, accounting records) required by any law, code/practice of corporate policy applicable to it from time to time including records and returns as applicable under labor legislation.

58. ERASURES OR ALTERNATIONS

The offers with overwriting and erasures may make the tender liable for rejection if each of such

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overwriting/erasures/manuscript ions is not only signed by the authorized signatory of the bidder. There should be no hand-written material, corrections or alterations in the offer. Technical details must be completely filled up. Correct technical information of the product being offered must be filled in. Filling up of the information using terms such as "OK", "accepted", "noted", "as given in brochure/manual" is not acceptable. The Customer may treat offers not adhering to these guidelines as unacceptable. The Customer may, at its discretion, waive any minor non-conformity or any minor irregularity in the offer. This shall be binding on all bidders and the Tender Committee reserves the right for such waivers.

59. FINAL INSPECTION

Final inspection will be carried by the authorized representative from WTL.

60. LOCATION DETAILS

WBSETCL, Govt. of WB, Kolkata- 700001.

61. SITE INSPECTION

Bidder can inspect (at their own cost) the sites if required, for which they have to take necessary permission from WTL in writing. WTL will take at least four days to organize such permission.

62. QUALITY CONTROL

- The contractor is obliged to work closely with WTL act within its authority and abide by directive issued by them on implementation activities.
- The contractor will abide by the safety measures and free WTL from all demands or responsibilities arising from accident/loss of life, the cause of which is due to their negligence. The bidder will pay all indemnities arising from such incidents and will not hold WTL responsible.
- The contractor will treat as confidential all data and information about the system, obtained in the execution of its responsibilities in strict confidence and will not reveal such information to any party without the prior written approval of WTL.
- WTL reserves the right to inspect all phases of contractor's operation to ensure conformity to the specifications. WTL shall have engineers, inspectors or other duly authorized representatives made known to the contractor, present during the progress of the work and such representatives shall have free access to the work at all times. The presence or absence of representatives of WTL does not relieve the contractor of the responsibility for quality control in all phases.
- The Court of Kolkata only will have the jurisdiction to deal with and decide any legal matters or dispute whatsoever arising out of the contract.

63. BLACKLISTING OF BIDDER

At the stage of competitive bidding:

- a) Submitting false documents as far as the eligibility criteria are concerned.
- b) Submission of bid which involves concealment / suppression of facts in the bid in order to influence the outcome of eligibility screening or any other stage of open bidding.
- c) Unauthorized use of one's name or the name of any other firm for the purpose of bidding.
- d) Withdrawal of a bid or refusal to accept an award or enter the contract with the Govt. without justifiable cause after the bidder had been adjudged as having submitted the lowest responsive bid.
- e) Refusal or failure to post the required performance security within the prescribed time as indicated in the tender document.
- f) Any document unsolicited attempt t unduly influences the outcome of bidder in his favour.
- g) All other acts tend to defeat the purpose of competitive bidding which is contrary to financial rules of the Govt., e.g., habitual withdrawing from bidding except a valid reason not complying with the requirements during bid evaluation.

At the stage of contract implementation:

- a) Failure on the part of the firm to supply items as per Supply Order due solely to his fault or negligence within the prescribed period as mentioned in the detailed tender document.
- b) Failure on the part of the firm/company to fully and faithfully comply with the contractual obligations without valid cause or failure to comply with any written lawful instruction of the

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- procuring entity or its representative(s) pursuant to the implementation of the contract.
- c) Assignment and sub-contracting of the contract or any part thereof.
 - d) Unsatisfactory progress in the delivery of goods / items in case of procurement.
 - e) Supply of inferior quality of goods, as may be provided in the contract or as per accepted sample / specimen of item(s).
 - f) Any other reason which the procuring entity deems it logical to include in the contract, duly agreed by the selected bidder / firm.
 - g) Failure of supply within the stipulated period of time to be mentioned in the supply order.

64. GENERAL TERMS

- a) All the pages of the bid document including documents submitted therein must be duly signed and stamped failing which the offer shall be liable to be rejected.
- b) All the documents to be submitted by the bidder along with their offer should be duly authenticated by the person signing the offer and if at any point of time during procurement process or subsequently it is detected that documents submitted are forged/tampered/manipulated in any way, the total responsibility lies with the bidder and WTL reserves the full right to take action as may be deemed fit including rejection of the offer and such case is to be kept recorded for any future dealing with them.
- c) No Technical/Commercial clarification will be entertained after opening of the tender.
- d) Overwriting and erasures may make the tender liable for rejection if each of such overwriting/erasures/manuscript is not only signed by the authorized signatory of the bidder. All overwriting should be separately written and signed by the authorized signatory of the bidder.
- e) Quantity mentioned in the tender document is indicative only and orders shall be placed subject to actual requirement. WTL reserve the right to increase or decrease the quantity specified in the tender.
- f) WTL reserve the right to reject or accept or withdraw the tender in full or part as the case may be without assigning the reasons thereof. No dispute of any kind can be raised the right of buyer in any court of law or elsewhere.
- g) WTL reserve the right to ask for clarification in the bid documents submitted by the bidder. Documents may be taken if decided by the committee.
- h) No dispute by the bidders in regard to Technical/Commercial points will be entertained by WTL and decision taken by the Tender Committee will be final.
- i) Discrepancy in the amount quoted by the bidder due to calculation mistake, the unit rate shall be regarded as firm and the totaling or carry in the amount quoted by the bidder shall be corrected accordingly.
- j) The price offers shall remain firm within the currency of contract and no escalation of price will be allowed.
- k) The acceptance of the tender will rest with the accepting authority who is not bound to accept the lowest or any tender and reserves the right to reject in part or in full any or all tender(s) received and to split up the work among participants without assigning any reason thereof.
- l) The WBSETCL/WTL at its discretion may extend the deadline for the submission of Bids.
- m) The Court of Kolkata only will have the jurisdiction to deal with and decide any legal matters or dispute whatsoever arising out of the contract.

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SECTION-E

BID FORM

(Bidders are requested to furnish the Bid Form in the Format given in this section, filling the entire Blank and to be submitted on Letter Head in original)

To
WebelTechnologyLimited
Plot- 5,Block-
BP,Sector-V,
SaltLake City,
Kolkata-700091.

Sub: Supply, Installation and Commissioning of Hyper-converged Infrastructure with Virtualization Software Licenses and Backup Solution for WBSETCL, Govt. of WB.

Dear Sir,

1. We the undersigned bidder/(s), having read and examined in details the specifications and other documents of the subject tender no WTL/WBSETCL/HCI/25-26/063 DATED 14.03.2026, do hereby propose to execute the job as per specification as set forth in your Bid documents.
2. The prices of all items stated in the bid are firm during the entire period of job irrespective of date of completion and not subject to any price adjusted as per in line with the bidding documents. All prices and other terms & conditions of this proposal are valid for a period of 180 (one hundred eighty) days from the date of opening of bid. We further declare that prices stated in our proposal are in accordance with your bidding.
3. We confirm that our bid prices include all other taxes and duties and levies applicable on bought out components, materials, equipments and other items and confirm that any such taxes, duties and levies additionally payable shall be to our account.
4. Earnest Money Deposit& Tender fee: We have transferred EMD & Tender Fee amount online through e-Tender portal.
5. We declare that items shall be executed strictly in accordance with the specifications and documents irrespective of whatever has been stated to the contrary anywhere else in our proposal. Further, we agree that additional conditions, deviations, if any, found in the proposal documents other than those stated in our deviation schedule, save that pertaining to any rebates offered shall not be given effect to.
6. If this proposal is accepted by you, we agree to provide services and complete the entire work, in accordance with schedule indicated in the proposal. We fully understand that the work completion schedule stipulated in the proposal is the essence of the job, if awarded.
7. We further agree that if our proposal is accepted, we shall provide a Performance Bank Guarantee of the value equivalent to three percent (10%) of the Order value as stipulated in Financial Bid (BOQ).
8. We agree that WTL reserves the right to accept in full/part or reject any or all the bids received or split order within successful bidders without any explanation to bidders and his decision on the subject will be final and binding on Bidder.

Dated, thisday of2026

Thanking you, we remain,

WEBEL TECHNOLOGY LIMITED

Yours faithfully

.....
Signature

.....
Name in full

.....
Designation

Signature & Authorized Verified by

.....
Signature

.....
Name in full

.....
Designation

.....
Company Stamp

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SECTION – F

TECHNO COMMERCIAL EVALUATION & AWARDING OF CONTRACT

1. EVALUATION PROCEDURE

- The Eligibility Criteria (Section - B) will be evaluated by Tender Committee and those qualify will be considered for further evaluation.
- The Tender Committee shall verify the Technical Specification (Technical Specification with Compliance Statement, Section – I) Deviation in specification shall not be allowed. Bidder qualified in Technical Specification shall be considered for further evaluation.
- After qualifying in Technical Specification, qualified bidders will only be considered for Financial Bid evaluation.

2. FINAL EVALUATION

Financial Proposal of the bidders qualifying in the evaluation of Technical Specification will be evaluated. The bidder who has qualified in the Technical Specification and returns with lowest quote (L1) in Financial Bid will normally be awarded the contract subject to Post Qualification.

3. AWARDING OF CONTRACT

An affirmative Post Qualification determination will be prerequisite for award of the contract to the most overall responsive bidder. A negative determination will result in rejection of bidder's bid, in which event the WTL will proceed to the next lowest evaluated bidder to make a similar determination of that bidder's capability to perform satisfactorily. WTL will award the contract to the successful bidder whose bid has been determined to be substantially responsive after final negotiation may held with the most responsive bidder, if required. This is a turnkey job in a nature, so bidder(s) to quote all the items mentioned in the tender document, which can ensure single point contact / sole responsibility of the bidder(s) towards project execution. The successful bidder (s) will have to give security deposit in the form of Performance Bank Guarantee.

4. POST QUALIFICATION

The determination will evaluate the Bidder's financial, technical, design, integration, customization, production, management and support capabilities and will be based on an examination of the documentary evidence of the Bidder's qualification, as well as other information WTL deems necessary and appropriate. This determination may include visits or interviews with the Bidder's client's reference in its bid, site inspection, and any other measures. At the time of post-qualification, Department of Par& e-Governance may also carry out tests to determine that the performance or functionality of the Information System offered meets those stated in the detailed Technical Specification.

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SECTION-G

GUIDANCE FOR E-TENDERING

Instructions /Guidelines for electronic submission of the tenders have been annexed for assisting the Bidders to participate in e-Tendering.

1. **Registration of Bidder:**

Any Bidder willing to take part in the process of e-Tendering will have to be rolled & registered with the Government e-Procurement System through logging onto <https://wbenders.gov.in> The Bidder is to click on the link for e-Tendering site as given on the web portal.

2. **Digital Signature Certificate (DSC):**

Each Bidder is required to obtain a Class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders from the approved service provider of the National Informatics Centre (NIC) on payment of requisite amount. Details are available at the Web Site stated above. DSC is given as a USB e-Token.

3. The Bidder can search & download N.I.T. & BOQ electronically from computer once he logs onto the web site mentioned above using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

4. **Participation in more than one work:**

A prospective bidder shall be allowed to participate in the job either in the capacity of individual or as a partner of a firm.If, found to be applied severally in a single job all the applications will be rejected.

5. **Submission of Tenders:**

Tenders are to be submitted through online to the web site stated above in two folders at a time, one in Techno Commercial Proposal & the other is Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed in to non readable formats)

The proposal should contain scanned copies of the following in two covers (folders).

Techno Commercial Cover:

Technical Document1

1. Bid Form as per format (Section – F)
2. Other documents, if any

Technical Document2

1. N I T Declaration duly stamped & signed in bidder's letter head, Section –R
2. Other documents, if any

Technical Compliance

1. Detailed Technical Specification ,Section–I
2. Manufacturer Authorization Form, Section – P

Financial Cover:

BOQ (Bill of Quantity) will be downloaded and same will be uploaded with quoted rates. While uploading BOQ file name shall remain unchanged. Absence of this document shall lead to summary rejection of the bid.

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OTHER IMPORTANT DOCUMENT COVER FOR THE FOLLOWING DOCUMENT:

<u>Sl. No.</u>	<u>Sub Category Description</u>
<u>A</u>	<u>GST Registration Certificate</u> <u>PAN</u> <u>Trade License</u>
<u>B</u>	<u>Other required documents</u> <u>Section - K</u>
<u>C</u>	<u>Company Profile (Not more than 3 pages)</u> <u>Section - L</u>
<u>D</u>	<u>Order copies as per Eligibility Criteria</u> <u>Section - M</u>
<u>E</u>	<u>Other documents of Eligibility Criteria</u> <u>Section - O</u>
	<u>P/L & BALANCE SHEET 2022-2023</u>
	<u>P/L & BALANCE SHEET 2023-2024</u>
	<u>P/L & BALANCE SHEET 2024-2025</u>

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SECTION – H

**Supply , Installation and Commissioning of Hyper-converged Infrastructure with
Cloud Software Licenses and Backup Solution for WBSETCL, Govt. of WB
Tender No:**

BILL OF MATERIAL

<u>Sl. No</u>	<u>Item Description</u>	<u>Qty</u>	<u>Unit</u>
1	Hyper converged HCI Nodes	3	Nos
2	License for Cloud Infrastructure Software with Production Software Support	96	Nos
3	License for Unified Storage Professional Software License with Production Software Support	10	Nos
4	License for Cloud Manager Software with Production Software Support	96	Nos
5	Licenses for Kubernetes Platform highest tier with Production Software Support	60	Nos
6	Core Switch	2	Nos
7	TOR Switch	2	Nos
8	Next Generation Enterprise Firewall	2	Nos
9	42U Floor Standing Rack for Server	1	No
10	42U Floor Standing Rack for Network	1	No
11	Windows Server 2025 Standard Edition 16-core License Pack	4	Nos
12	Red Hat Linux Server License (1 RHEL license = 2 VMs)	2	Nos
13	Professional Services – OEM ** Bidder should provide MAF for the OEM Professional Services.	1	Lot
14	Installation, Configuration, Implementation of All the Components including the required Passive Work for this Project	1	Lot

All items should be minimum 5 years onsite warranty
Bill of quantity may change at the time of ordering of purchase Order.
Details Technical Specification are given in Section-I.

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SECTION- I

Technical Specification Compliance Statement

Supply, Installation and Commissioning of Hyper-Converged Infrastructure with required Software licenses

Tender No: WTL/WBSETCL/HCI/25-26/063 DATED 14.03.2026

Minimum Specification of HCI (Hyper-Converged Infrastructure) Nodes

Qty.	03 Nos.
Make	
Model	
Part No	

SI No.	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Chassis	2U Rack Mountable server with front locking bezel, sliding rails & accessories	
2	CPU	Dual 6th Gen Intel / 5 th Gen AMD Processor with 2.3Ghz Frequency or higher, each having 16 Core and Min. 72MB cache	
3	Memory	At least 24 DIMM slots. 1024 GB Memory populated from day 1 & scalable upto at least 6 TB using DDR5 Registered DIMM (RDIMM) operating at 6000 MT/s or higher	
4	Bus Slots	Minimum 6 PCIE 5.0 Slots	
5	BIOS	Server / Node OEM should be the owner of the IP of the BIOS.	
6	BOOT optimized storage	Should be configured with minimum 2 x 480GB M2 SSD in Raid 1	
7	HDD Bays	Should support up to 24 SFF SAS/SATA hard drives (HDDs) or SAS/SATA/NVMe solid state drives (SSDs).	
8	Storage	Should be configured with 7x 3.8 TB SSD from day1.	
9	Networking features	Server should configured with 4x 10/25/50G from day1.	

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10	Interfaces	4 USB port, 1 VGA and 1G dedicated OOB management port.		
11	Power Supply	Hot swappable redundant power supplies configured from day1.		
12	System Security	Secure Boot support Silicon Root of Trust Secure erase TPM (Trusted Platform Module) 2.0 option		
13	Guest OS Supported	The proposed virtualization software should support Windows Server, Red Hat Enterprise Linux (RHEL), SUSE Linux Enterprise Server (SLES), Ubuntu Linux.		
14	Server Management	System should support multiple management interfaces like Web UI, CLI and XML API. Management solution should be able to manage different form factor hardware and provide single console.		
		Real-time out-of-band hardware performance monitoring & alerting.		
		Remote Power On, Off and reset from Web UI, XML API and KVM.		
		The management tool should be able to provide global resource pooling and policy management to enable policy-based automation and capacity planning.		
		Zero-touch repository manager and self-updating firmware system, Automated hardware configuration and Operating System deployment to multiple servers.		
		Virtual IO management / stateless computing .		
		The server should support industry standard management protocols like IPMI v2 and SNMP v3 and Redfish v1.01.		
		Console record and play, Virtual Media, LDAP & HTML5 remote control.		
		Server management software should provide capability to view health , inventory for third-party compute, network, storage, integrated systems, virtualization, and containers.		
		The management software should participate in server provisioning, device discovery, inventory, diagnostics, monitoring, fault detection, auditing, and statistics collection.		
Server management system should provide an alert in case the system is not part of OEM Hardware Compatibility list & should provide anti counterfeit.				
The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues.				

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		The proposed management solution should analyze current configurations & identify potential issues due to driver & firmware incompatibility.		
		The proposed management solution should provide policy control to prevent drift of server configurations.		
15	Spare inventory warehouse	Server / Node OEM should have registered warehouse in West Bengal.		
16	Warranty	5 years comprehensive warranty support		

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Minimum Specification of HCI SOFTWARE

Qty.	96 No
Make	
Model	
Part No	

Sl. No.	Category	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	PERFORMANCE	<p>1. Proposed solution must be present in the Leader's Quadrant of latest released Gartner's Magic Quadrant for Distributed Hybrid Infrastructure.</p> <p>2. Proposed solution must be present in the latest released Gartner's Magic Quadrant for Container Management.</p> <p>3. Proposed solution must be present in the Leader's Wave of latest released The Forrester Wave: Multicloud Container Platforms, Q3 2025</p> <p>Documentary evidence to be submitted.</p>		
		<p>IOPS delivered at 70:30 Read: Write Ratio on 8K block size with latency of 5ms maximum for each node (Supporting document must be submitted).</p>		
2	HCI Features	<p>The proposed HCI software & hardware should be factory integrated by the OEM, License proposed should have flexibility to decouple the HCI software from hardware, in order to run HCI software on any certified hardware.</p>		
		<p>The proposed HCI solution should be fully software defined and should not leverage any specialized (Proprietary/PCI Card) hardware for providing data services such as de-duplication and compression. HCI solution should utilize underneath node HDD/SSD/NVMe drives to create storage pool and should not rely on separate Storage only nodes to create storage pool.</p>		
		<p>The proposed solution should independently scale storage and compute Nodes as and when needed without any downtime. HCI should support storage expansion either scaling out or scaling up storage space in the HCI Cluster. No additional license should be required to be procured for storage expansion in terms of SSD/NVMe at later point for Block. HCI OEM should not imply license for storage expansion.</p>		
		<p>The proposed solution must offer the ability to add nodes of different sizes, both in physical dimensions and in the quantity of RAM, Storage and Cores, to take account of the changing needs of the organization over time. It should be possible to add All Flash/NVMe</p>		

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		and Hybrid Nodes in Single Cluster.		
		The proposed HCI solution must support Data Compression, Deduplication & Erasure coding natively and licenses for this feature should be factored in the bill of material.		
		The HCI storage must have integrated wizard to schedule snapshot for hourly / daily / weekly / monthly snapshot policies. Any additional software or license must be provided on day 1. If the proposed solution does not meet the above mentioned criteria then the proposed alternate solution to meet the requirement is allowed subject to the condition that the proposed solution should satisfy the reliability, availability, performance and scalability requirements mentioned in this specification.		
		The solution should allow for taking clones of individual Virtual Machines for faster provisioning. Any additional software or license required must be provided on day 1.		
		The Solution should allow for taking snapshots of individual Virtual Machines to be able to revert back to an older state, if any additional software license is required, it must be provided on day 1. Individual Snapshot should be capable to revert the VM, snapshot should not be linked to previous snapshot to revert the VM.		
		Must support Instant space optimized point-in-time Snapshots. Should support unlimited snapshots.		
		The solution design should have features like zero data loss and near zero downtime in case of disk, host, network, rack and site failure.		
		No Single Point of Failure with complete redundancy at all levels. Nodes should be configured to have at least two copy of data available in cluster, in order to support data & cluster availability in event of One Node Failure.		
		All servers in the HCI cluster must contribute Compute & Storage. HCI solution should utilize underneath node SSD/NVMe drives to create storage pool and should not rely on separate Storage only nodes to create storage pool. There should be redundant cache drive per disk group proposed.		
		The proposed solution must offer native File Services, supporting NFS 3.0/4.0 and Objects S3, with the ability to scale-out. This is required for any future requirement that may arise. Should not rely on 3rd Party software to support the File and Object service.		

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3	Resource Requirement	<p>Solution should be provided with Total 3 nodes All SSD cluster in N+0 configuration, each node providing 6th Gen Intel processors and DDR5 6400 Mhz Memory with following configuration: Solution must be proposed with 3 Node HCI cluster in N+0 configuration providing at least 84 usable cores , 2.9TB total usable memory and 30 TB usable storage without considering any deduplication, compression, erasure coding or any saving techniques benefits. Complete solution must be proposed with RF2/FTT1(2 copies of the data).</p>		
		<p>The solution must be configured with 2 x 480 M2 boot drive</p>		
		<p>Each HCI server needs to be supplied with 4x10/25G interfaces and 10G-SR optics.</p>		
4	Virtualization	<p>The proposed virtualization software shall provide a virtualization layer that sits directly on the bare metal server hardware with no dependence on a general purpose OS for greater reliability and security.</p>		
		<p>The solution shall provide the ability to add Memory , storage disks and NICs (provided the same is supported by the guest operating system) without the need to reboot the workload.</p>		
		<p>The proposed solution must have DRS/ADS feature inbuilt in the hypervisor.</p>		
		<p>The solution shall provide a tool based physical/Virtual-to-virtual conversion to migrate existing physical workloads to the virtual platform with minimal disruption.</p>		
		<p>The solution shall provide zero-downtime, zero-data loss continuous availability against physical host failures. This should be offered without any dependency on the guest operating system. The solution should also store a redundant copy of the data which is accessible immediately by the Hypervisor and application.</p>		
		<p>The solution shall provide capabilities to limit I/O for virtual workloads to ensure that business critical VMs are not affected due to congestion by other VMs on the same host.</p>		
		<p>The proposed solution's Hypervisor(s) must offer "Live VM Migration", "High Availability" and intelligent placement of workloads on nodes best suited to their execution.</p>		
		<p>Hypervisor shall provide automated live migration for initial placement and balancing of available resources with the rules to define affinity and / or anti-affinity of workloads</p>		
		<p>Proposed hypervisor should have ability to do cross cluster live migration.</p>		
		<p>Proposed solution should have a centralized image</p>		

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		repository for ISO and Template		
5	Network Security	The solution shall provide visibility of network traffic between the Apps/VMs.		
		The solution shall provide a software defined networking & security virtualization layer that allows faithful delivery of network services in software without dependence on specific make/model of networking devices/appliances		
		The solution should provide a stateful distributed firewall such that the firewalling for Virtual Machines can be provided closest to the application within the server itself without traffic going to a Physical Firewall.		
		The firewall-rule table of the solution should be designed for ease of use and automation with virtualized objects for simple and reliable policy creation.		
		The solution should provide embedded/virtual machine distributed firewall and should provide near line rate performance.		
		The solution should enable integration of third-party network and security solutions through open architecture and standard APIs. The bidder shall provide a list of ecosystem vendors that integrate with the framework.		
		The solution shall lend itself to network monitoring by supporting standards protocols (for remote network analysis).		
		The solution should be capable to provide agentless guest and network introspection services.		
		The solution should have capability to provide stateful micro-segmentation for virtual machines from a single console.		
		The solution should integrate with industry-leading Solutions for antivirus, malware, intrusion prevention, and next-gen security services.		
		The solution should provide a stateful firewall with capability of defining security policies on constructs such as IP address, VM names, objects and tags, active directory groups, Security tags etc.		
		The Security policies must follow the VM in the event of migration (i.e. vMotion) within the datacenter.		
		The SDN solution should be capable of supporting major hardware OEMs like Juniper, Arista, Cisco, HPE, Dell.		
		Provisioning of virtual/software defined network services should be possible irrespective of make and topology underlying physical network switches and routers.		
		The solution should offer comprehensive flow assessment and analytics and security groups and firewall rules suggestion for the purpose of		

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	implementing a zero trust security within the data-center		
	The proposed SDN solution should be a purely software based solution and should not be dependent on any hardware make and model.		
	The solution should provide a single unified management console for end to end management of the entire environment.		
	The bidder shall ensure that all proposed components shall have the ability to run on standard server infrastructure based on the x86 architecture without having any dependence on specific make/model of infrastructure components.		
	The SDN solution should be highly programmable through APIs integration from a central management point and can be integrated with major industry software automation management / cloud tools to automate end users' service requests.		
	The SDN solution should support virtual Distributed Switch which is a generic software defined switch platform that is hypervisor independent.		
	The SDN solution should provide logical Layer 2 overlay extensions across a routed (Layer 3) fabric within and across data center boundaries and supports network overlays.		
	The SDN solution should support creating VPC, VPN services, NAT services & Routing.		
	The SDN solution should offer to deploy virtualized network functions (like switching, routing, firewalling and load-balancing), administrators can build virtual networks for Virtual Machines or Virtual Desktop Infrastructure without the need for complex VLANs, ACLs or hardware configuration syntax on underlay physical network.		
	The SDN solution should enable consistent networking and security across data center sites and across private and public cloud boundaries, irrespective of underlying physical topology.		
	The SDN solution should support multi-site network and security for virtual workloads.		
	The SDN solution should offer distributed switching for the virtual workloads in overlay fashion.		
	The SDN solution should support VLAN backed as well as distributed overlay switching encapsulated services.		
	The SDN solution should provide distributed routing, so the Routing between Virtual Machines with different IP subnets can be done in the logical space of hypervisor without traffic going out to the		

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	physical router.		
	The SDN solution should support multi-tenant / Multi-tier network routing for the virtual workload.		
	The SDN solution should support Virtual edge device as virtual appliance – <ul style="list-style-type: none"> - Routing Connectivity to physical network - NAT - DHCP server - Firewalling 		
	The SDN solution should support micro-segmentation for east-west traffic of virtual machines, offering security policy on VNIC of the virtual machines.		
	The security policies in the virtualization layer must be tied to the application VM, which means whenever any application is moved from one virtualized server to another, even between different VLANs, the security policies should follow the application and there should be no need to redefine the security policies for the application at the new location.		
	The SDN solution should support NAT.		
	The SDN solution should support source NAT / Destination NAT with NAT logging capability.		
	The SDN solution should support service insertion for all/specific traffic between VMs (north-south and east-west traffic) in the Data Center can be redirected to a dynamic chain of security partner services.		
	The SDN solution should support Layer-2 VPN allows you to extend your datacenter by allowing virtual machines to retain network connectivity across geographical boundaries.		
	The SDN solution should support Secure VPN between two datacenters or between on-premise to public cloud.		
	The SDN solution should support native operations capabilities such as central CLI, traceflow, netflow, overlay logical SPAN and IPFIX to troubleshoot and proactively monitor the virtual network infrastructure.		
	The SDN solution should support traceflow from source workload to destination workload and provide details of every hop in the path.		
	The SDN solution should support of backup/restore of the centralized Management appliance configuration.		
	The SDN solution should provide the ability to provide native application isolation for providing zero trust security for the application and should		

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		allow for on-demand creation of security groups and policies.		
		The SDN solution should support network & security virtualization operations and troubleshooting.		
6	K8s	The proposed software should have same HCI Software OEM managed and supported Enterprise ready K8s License for 60 vCPUs. Should have S3 Object License for 10 TiB.		
		Proposed license should be of the highest tier. Proposed license should have container replication to DR site inbuilt.		
7	Replication	Proposed solution should support synchronous and asynchronous, local and remote replication to any x86 platforms as long as HCI SW is same.		
		The ability to carry simultaneous out bi-directional replication between two data centers.		
		The solution should provide orchestration layer to have automated disaster recovery. There should not be restrictions on VMs licenses, minimum 500 VMs replication license should be provided for covering all the VM's & any new VMs organization will deploy in future.		
		The ability to replicate bi-directional data center deployment of more than 2 DC's		
		The solution must allow changing of IP address of recovered Virtual Servers to match target datacenter.		
		The solution must allow the option to test DR failover to separate network with no impact to production workloads.		
		The solution should have feature to assist in failback process to Primary datacenter.		
		Replication & DR automation licenses to be included for unlimited VM's supported by the cluster. There should not be any restriction in number of VM's that can be enabled for replication.		
8	Management	The proposed solution must be managed through an HTML5 web based console that provides a single pane of glass view for the entire environment		
		The solution should provide prebuilt & customizable operations dashboards & reports to provide real time insight into infrastructure behavior, upcoming problems & opportunities for efficiency improvements.		
		The solution should provide explanations, recommended solutions to performance, capacity & configuration problems. It should also associate workflows with alerts to automatically initiate corrective measures at critical thresholds.		
		The solution should provide capacity analytics which can identify over-provisioned resources so they can be		

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		right-sized for most efficient use of virtualized resources.		
		The solution shall provide assistance in troubleshooting and operational management in the virtualized environment.		
		Capacity Planning must be integrated into the proposed solution, showing both efficiency savings available to the deployed system (such as right-sizing workloads) and the predicted time remaining for RAM, CPU and Storage on the cluster (given “current” demand). Additionally, the planning should advise on what resources need to be added and allow administrators to model the behavior of the platform given additional (configurable) workloads.		
		The solution should provide with a centralised management solution which can provide advisory services (PSIRT, Field Notice and EOS information) from Day1.		
		The Management solution should provide connected TAC and Proactive RMA functionality from day 1.		
		The management solution should have capabilities to monitor 3rd party servers and storage.		
		The Management solution should provide workflow based automation from day 1 without any additional licensing.		
9	Firmware Code and Patch Management	The solution should provide seamless upgrade for (but not limited to) Firmware, Hypervisor, Storage OS, SDS software, BIOS and other such functions which are required in the solution.		
		All patches for the complete hardware and software solution must come from a single validated source. It should be possible to apply and upgrade all software and Hardware related firmware and patches from the same GUI that is used to manage the HCI (It should not use the hardware management console for doing firmware upgarde of hardware).		
10	Proactive Maintenance and Support	Proposed Appliance should come with a single proactive incident reporting and alerting which covers both Hardware components and full Software stack.		
		Proactive Maintenance feature should automatically have the ability to alert all hardware and hypervisor related alerts to the 24 x 7 Call center of the DC.		
		Original Equipment Manufacturer should have online 24 x 7 support for any hardware or software related issue.		
		Proposed solution should have one window support solution for all the components including hardware, firmware and software used. The support should be from OEM.		

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		HCI solution must have direct OEM, L1, L2 and L3 support, 24x7x365 days with unlimited incident support (Telephonic /Web / Email) and technical contacts / contract with 60 mins or less response time including the unlimited upgrades and updates during tender specific warranty period.		
		Should have Unlimited Number of Support Admins Per Contract.		
		Support should provide RCA for every support case raised.		
11	Warranty	5 Years 24x7 onsite comprehensive warranty including all other accessories related to smooth proposed HCI infrastructure from the date of successfully installation, commissioning, integration and final acceptance.		

Minimum Specification of TOR Switches

Qty.	02 Nos.
Make	
Model	
Part No	

SI No	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1.1	The Switch should support non-blocking Layer 2 switching and Layer 3 routing		
1.2	Switch should support the complete STACK of IPv4 and IPv6 services.		
1.3	The Switch used have the capability to function in line rate for all ports		
2	Hardware and Interface Requirement		
2.1	Switch should have the following interfaces:		
2.1.1	Minimum 24 ports support 1/10/25 Gbps SFP ports for host connectivity and 6*100G ports for Fabric/Spine connectivity. The proposed switch should support native 25G and should be populated with 12*10G Multimode fiber transreceivers.		
2.1.2	Switch should have console port for local management & management interface for Out of band management		
2.2	1 RU fixed form factor		
2.3	Switch should be rack mountable and support side rails if required		
2.4	Switch should be provided with power redundancy		
3	Performance Requirement		
3.1	Modular OS with dedicated process for each routing protocol		

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3.2	Switch should re-converge all dynamic routing protocol at the time of routing update changes i.e. Graceful restart for fast re-convergence of routing protocols (OSPF, IS-IS, BGP)		
3.4	Switch should support minimum 1000 VRF instances with route leaking functionality		
3.5	The switch should support 1 Million IPv4 LPM routes		
3.6	The Switch should support intelligent buffer management with a minimum buffer of 40MB		
3.7	The switch should have MAC Address table size of 90k		
3.8	The switch should support 8K multicast routes		
3.9	Switch should support 4000 VLANs		
3.10	Switch should support 64 nos of ECMP paths		
3.11	Switch should support minimum 2 Tbps of non blocking switching capacity.		
4	Network Virtualization Features		
4.1	Switch should support Network Virtualisation using Virtual Over Lay Network using VXLAN		
4.2	Switch should support VXLAN and EVPN symmetric IRB for supporting Spine - Leaf architecture to optimise the east - west traffic flow inside the data center		
5	Layer2 Features		
5.1	Spanning Tree Protocol (IEEE 802.1D, 802.1W, 802.1S)		
5.2	Switch should support VLAN Trunking (802.1q)		
5.3	Switch should support minimum 90k of MAC addresses		
5.4	Switch should support VLAN tagging (IEEE 802.1q)		
5.5	Switch should support IEEE Link Aggregation and Ethernet Bonding functionality (IEEE 802.3ad) to group multiple ports for redundancy		
5.6	Switch should support Link Layer Discovery Protocol as per IEEE 802.1AB for finding media level failures		
5.7	Switch should support layer 2 extension over VXLAN across all DataCenter to enable VM mobility & availability		
5.8	The Switch should support DC Bridging i.e. IEEE 802.1Qbb Priority Flow Control (PFC), Data Center Bridging Exchange (DCBX), IEEE 802.1Qaz Enhanced Transmission Selection (ETS), Explicit Congestion Notification (ECN).		
5.9	Maximum number of port channels should be 48		
5.10	Maximum no of ports in the port channel should be 32		
5.11	The switch should support BGP EVPN Route Type 2, Type 4 and Route Type 5 for the overlay control plane		
6	Layer3 Features		
6.1	Switch should support static and dynamic routing		
6.2	Switch should support segment routing and VRF route leaking functionality from day 1		
6.3	Switch should support Segment Routing and Layer3 VPN		

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	over Segment Routing		
6.4	Switch should support multi instance routing using VRF/ VRF Edge/ Virtual Router routing and should support VRF Route leaking functionality		
6.3	Switch should provide multicast traffic reachable using:		
6.3.1	a. PIM-SM		
6.3.2	b. PIM-SSM		
6.4	Support Multicast Source Discovery Protocol (MSDP)		
6.5	IGMP v1, v2 and v3		
7	Quality of Service		
7.1	Switch system should support 802.1P classification and marking of packet using:		
7.2	a. CoS (Class of Service)		
7.3	b. DSCP (Differentiated Services Code Point)		
7.4	Switch should support for different type of QoS features for real time traffic differential treatment using		
7.4.1	a. Weighted Random Early Detection		
7.4.2	b. Strict Priority Queuing		
7.5	Switch should support Rate Limiting - Policing and/or Shaping		
7.6	Switch should support to trust the QoS marking/priority settings of the end points as per the defined policy		
8	Security		
8.1	Switch should support control plane Protection from unnecessary or DoS traffic by control plane protection policy		
8.2	Switch should support for external database for AAA using:		
8.2.1	a. TACACS+		
8.2.2	b. RADIUS		
8.3	Switch should support to restrict end hosts in the network. Secures the access to an access or trunk port based on MAC address. It limits the number of learned MAC addresses to deny MAC address flooding		
8.4	Switch platform should support MAC Sec (802.1AE) encryption in hardware		
8.5	VXLAN and other tunnel encapsulation/decapsulation should be performed in single pass in Hardware		
8.6	Switch should support for Role Based access control (RBAC) for restricting host level network access as per policy defined		
8.7	Switch should support DHCP Snooping		
8.8	Switch should support Dynamic ARP Inspection to ensure host integrity by preventing malicious users from exploiting the insecure nature of the ARP protocol		

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8.9	Switch should support IP Source Guard to prevents a malicious hosts from spoofing or taking over another host's IP address by creating a binding table between the client's IP and MAC address, port, and VLAN		
8.10	Switch should support unicast and/or multicast blocking on a switch port to suppress the flooding of frames destined for an unknown unicast or multicast MAC address out of that port		
8.11	Support for broadcast, multicast and unknown unicast storm control to prevent degradation of switch performance from storm due to network attacks and vulnerabilities		
8.12	The Switch should support LLDP.		
8.13	Switch should support Spanning tree BPDU protection		
9	Manageability		
9.1	Switch should support for sending logs to multiple centralised syslog server for monitoring and audit trail		
9.2	Switch should provide remote login for administration using:		
9.3	a. Telnet		
9.4	b. SSHv2		
9.5	Switch should support for capturing packets for identifying application performance using local and remote port mirroring for packet captures		
9.6	Switch must have Switched Port Analyzer (SPAN) with minimum 4 active session and ERSPAN on physical, Port channel, VLAN interfaces		
9.7	Switch should support for management and monitoring status using different type of Industry standard NMS using:		
9.8	a. SNMP v1 and v2, SNMP v3 with Encryption		
9.9	Switch should provide different privilege for login in to the system for monitoring and management		
9.10	Should have Open APIs to manage the switch through remote-procedure calls (JavaScript Object Notation [JSON] or XML) over HTTPS after secure authentication for management and automation purpose.		
9.11	The Switch Should support monitor events and take corrective action like a script when the monitored events occurs.		
9.12	<ul style="list-style-type: none"> • Flow path trace (ingress to egress switch) • Latency and packet drop 		
9.13	<ul style="list-style-type: none"> >Utilization of Operational like MAC/Route & Hardware resources like port utilization/ BW >Switch environmentals like (CPU/memory/FAN/Power Supply) > Interface statistics like CRC error 		
10	AVAILABILITY		
10.1	Switch should have provisioning for connecting to		

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	1:1/N+1 power supply for usage and redundancy		
10.2	Switch should provide gateway level of redundancy Ip V.4 and IP V.6 using HSRP/VRRP		
10.3	Switch should support for BFD For Fast Failure Detection		
11	MISCELLANEOUS POINTS		
11.1	Console cable and power cable (As per Indian standards) as per customer requirement to be provided. All Cables shall be factory-terminated.		
11.2	All Functionalities of Switch shall be IPv6 compliant and it should work on IPv6 Platform without any additional hardware/ software.		
11.3	All the components should be from same OEM.		
11.4	All proposed hardware and software must be 24 x 7 single OEM supported for 5 years, and must be enabled from day one.		

Minimum Specification of CORE Switches

Qty.	02 Nos.
Make	
Model	
Part No	

SI No	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1.1	General Features :		
1.1.1	Switch shall be 1U to 3U and rack mountable in standard 19 rack.		
1.1.2	Switch shall have 6GB RAM and 8GB Flash		
1.1.3	Switch should support optional SSD to host 3rd party container-based application.		
1.1.4	Switch shall have hot swappable 1:1 redundant internal power supply and redundant fan.		
1.1.5	Switch must have dedicated port, in addition to asked uplink ports. Should support for minimum 300 Gbps of stacking throughput.		
1.1.6	Shall support In Service Software Upgrade (ISSU) to provide an upgrade of the entire platform or an individual task/process without impacting hardware forwarding. ISSU supports upgrades, downgrades, and rollbacks.		
1.2	Performance :		
1.2.1	Switch must have 1,000 Gbps with 700 Mpps forwarding rate and should have non-blocking switch fabric and forwarding rate.		
1.2.2	Switching system shall have minimum 32K MAC Addresses and 512 VLANs.		
1.2.3	Switch should support minimum 4K ACLs, 8K Multicast and 30K IPv4, 15K IPv6 Routes..		

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1.2.4	Switch shall support application visibility and traffic monitoring with minimum 60K sflow/jflow/netFlow entries.		
1.2.5	Packet buffer : 16 MB		
1.2.6	The offer product series should be IPv6 logo certified from day one		
1.3	Functionality :		
1.3.1	Should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.1ae (256-bit and 128-bit AES), 802.3x, 802.1p, 802.1Q, 1588v2		
1.3.2	Should support AES-256 support with MACSEC-256 encryption algorithm on hardware		
1.3.3	Support BGP, MPLS, IS-IS, VRF, VXLAN, NAT, OSPF Routed Access, Policy-Based Routing (PBR), PIM SM, and Virtual Router Redundancy Protocol (VRRP)		
1.3.4	Shall have 802.1p class of service, marking, classification, policing and shaping. Should support strict priority queuing.		
1.3.5	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, IGMP, Netconf/YANG.		
1.3.6	Switch should support port security, DHCP snooping, Spanning tree root guard, First Hop Security.		
1.3.7	IPv6 support in hardware, providing wire rate forwarding for IPv6 network		
1.3.8	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.		
1.3.9	Eight egress queues per port for different types.		
1.3.10	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.		
1.3.11	Switch should have provision to add IPSEC feature on hardware in the future.		
	RFC support and Standard Functionality :		
	RFC 4306 - Internet Key Exchange (IKEv2) Protocol, RFC 2473- Generic Packet Tunneling in IPv6 Specification, RFC 2475- An Architecture for Differentiated Services Framework , RFC 3972-Cryptographically Generated Addresses (CGA), RFC 4291- IP Version 6 Addressing Architecture, RFC 4087-IP Tunnel MIB, RFC 2332 -NBMA Next Hop Resolution Protocol (NHRP), RFC 1886 -DNS Extensions to Support IP version 6, RFC 5905- NTPv4, RFC 4031 -Service requirements for Layer 3 Provider Provisioned Virtual Private Networks (VPNs), RFC 4023 - Encapsulating MPLS in IP or Generic Routing Encapsulation (GRE), RFC 3985 - PWE3 (Pseudo-Wire Emulation Edge-to-Edge) Architecture, RFC 3917 - Requirements for IP Flow Information Export (IPFIX), RFC 3910 -The SPIRITS (Services in PSTN requesting Internet Services)		

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	Protocol, RFC 3898 -Network Information Service (NIS) Configuration Options for Dynamic Host Configuration Protocol for IPv6 (DHCPv6), RFC 2597 -Assured Forwarding PHB, RFC 2684 - Multiprotocol Encapsulation over ATM Adaptation Layer 5, RFC 3068 -An Anycast Prefix for 6to4 Relay Routers, RFC 3152 - Delegation of IP6.ARPA, RFC 4364 - BGP MPLS/IP Virtual Private Networks (VPNs), RFC 5845 - Generic Routing Encapsulation (GRE) Key Option for Proxy Mobile IPv6, RFC 5641 - Layer 2 Tunneling Protocol Version 3 (L2TPv3) Extended Circuit Status Values, RFC 4561- Definition of a Record Route Object (RRO) Node-Id sub-Objects, RFC 4364 -BGP/MPLS IP Virtual Private Networks (VPNs), RFC 4214 - Intra-Site Automatic Tunnel Addressing Protocol (ISATAP), RFC6241 - Network Configuration Protocol (NETCONF), RCF7951- JSON Encoding of Data Modeled with YANG		
1.4	Interface		
1.4.1	12 x 1/10/25G SFP28 Interfaces and switch should be loaded with 6 x 10G SR Modules from day one. Switch should have option to expand additional 8 Nos of 1/10/25G SFP28 or 4 Nos of 40/100G port without changing the Switch chassis.		
1.5	Certification:		
1.5.1	Switch shall conform to UL 60950, IEC 60950, CSA 60950, EN 60950 Standards		
1.5.2	Switch / Switch's Operating System should be tested for EAL 2/NDPP abd IPV6 log certified		

Minimum Specification of NGFW

Qty.	02 Nos.
Make	
Model	
Part No	

SI No	Minimum Specification	Specification (Quoted / Applicable – by the bidder)	Complied (Yes / No)
1	Type	Next Generation Enterprise Firewall	
2	3rd Party Test Certification	The Firewall and appliance should be certified under Common Criteria program (gobal or the Indian Common Criteria Certification Scheme(IC3S) has been set up by the Ministry of Electronics and Information Technology (MeitY)) program for	

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		NDPP, Protection Profile for Stateful Traffic Firewall, IPS and PP for VPN Gateway		
3	Equipment Test Certification	FCC Class B, CE Class B, VCCI Class B, cTUVus, and CB certified		
4	Power Supply	The offered firewall must have redundant Power Supply units from day 1		
5	Architecture	The proposed firewall architecture should have Control Plane separated from the Data Plane in the Device architecture itself, whereby Control Plane should handle Management functions like configuration, reporting and route update & Data Plane should handle Signature matching (like exploits, virus, spyware, CC#), Security processing (like apps, users, content/URL, policy match, SSL decryption, app decoding etc) & Network Processing (like flow control, route lookup, MAC lookup, QoS, NAT etc).		
		The proposed firewall must have min 8 physical cores with x86 processor and minimum 16 GB RAM from day 1		
6	Storage	The proposed firewall should have 128 GB System storage		
7	Interface Requirement	Minimum 8*1 Gig Copper interfaces from day one		
8	Performance Capacity	A Minimum NG Firewall application control throughput in real world/production environment/Application Mix – minimum 4.5 Gbps considering Application/Web mix including Application-Identification/AVC/Application control and Logging enabled from day 1 . The bidder shall submit the performance test report reference from public documents or Legal Attested Test Reports from Global Product Engineering department / Global Testing Department/ Global POC team of OEM certifying the mentioned performance and signed by Engineering/Product		

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		Management on the Legal Letter Head		
		Minimum NG Threat prevention throughput in real world/production environment (by enabling and measured with Application-ID/AVC, User-ID/Agent-ID, NGIPS, Anti-Virus, Anti-Spyware, Anti Malware, File Blocking, Sandboxing, advanced DNS Security and logging security threat prevention features enabled – minimum 3 Gbps considering Application/Web mix from day 1 . The bidder shall submit the performance test report reference from public documents or Legal Attested Test Reports from Global Product Engineering department / Global Testing Department/ Global POC team of OEM certifying the mentioned performance and signed by Engineering/Product Management on the Legal Letter Head		
		IPsec VPN throughput – minimum 2 Gbps or more with HTTP transaction and logging enabled considering 100% HTTP flows in the traffic mix from day 1		
		New Layer 7 HTTP sessions per second considering 1 byte HTTP transaction – Minimum 65,000 or New Layer 4 sessions/connections per second - Minimum 500,000		
		Concurrent Layer 7 HTTP sessions – Min 400,000 or Concurrent Layer 4 connections/sessions - Minimum 5 Million		
9	High Availability	Active/Active and Active/Passive and should support session state synchronization among firewalls in a high availability cluster		

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10	Interface Operation Mode	The proposed firewall shall support Dual Stack IPv4 / IPv6 application control and threat inspection capabilities		
		- Tap Mode		
		- Transparent mode		
		- Layer 2		
		- Layer 3		
		- Should be able operate mix of multiple modes		
11	Next Generation Firewall Features	The proposed firewall shall have native network traffic classification which identifies applications across all ports irrespective of port/protocol/evasive tactics		
		The proposed firewall should have the ability to create custom application signatures and categories directly on firewall without the need of any third-party tool or technical support. Also the device should have capability to provide detailed information about dependent applications to securely enable an application		
		The proposed firewall shall be able to implement Zones, IP address, Port numbers, User id, Application id and threat protection profile under the same firewall rule		
		The firewall must support creation of policy based on wildcard addresses to match multiple objects for ease of deployment		
		The proposed firewall shall delineate different parts of the application such as allowing Facebook chat but blocking its file-transfer capability inside the chat application base on the content		
		The firewall must have the ability to manage firewall policy even if Central Management Solution is unavailable		

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		The firewall must have the capability to create DOS prevention policy to prevent against DOS attacks on per zone basis (outbound to inbound, inbound to inbound and inbound to outbound) and ability to create and define DOS policy based on attacks like UDP Flood, ICMP Flood, SYN Flood (Random Early Drop and SYN cookie) , IP Address Sweeps, IP Address Spoofs, port scan, Ping of Death, Teardrop attacks, unknown protocol protection etc		
12	Threat Protection/Prevention Features	Should have protocol decoder-based analysis which can statefully decodes the protocol and then intelligently applies signatures to detect network and application exploits		
		Intrusion prevention signatures should be built based on the vulnerability itself, A single signature should stop multiple exploit attempts on a known system or application vulnerability.		
		Should block known network and application-layer vulnerability exploits		
		The proposed firewall shall perform content based signature matching beyond the traditional hash base signatures		
		The proposed firewall shall have on box Anti-Virus/Malware, Anti Spyware signatures and should have minimum signatures update window of every one hour		
		All the protection signatures should be created by vendor base on their threat intelligence and should not use any 3rd party IPS or AV engines.		
		Should be able to perform Anti-virus scans for HTTP, smtp, imap, pop3, ftp, SMB traffic with configurable AV action such as allow, deny, reset, alert etc		
		Shoud support inspection of headers with 802.1Q for specific		

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		Layer 2 security group tag (SGT) values and drop the packet based on Zone Protection profile		
		The device should support zero day prevention by submitting the executable files and getting the verdict back in five minutes post detection.		
		The device should have protection for min 20000 IPS signatures excluding custom IPS signatures		
		The proposed firewall should have threat prevention capabilities to easily import IPS signatures from the most common definition languages Snort and Suricata		
		Should be able to call 3rd party threat intelligence data on malicious IPs, URLs and Domains to the same firewall policy to block those malicious attributes and list should get updated dynamically with latest data		
		The proposed Firewall should automatically push dynamic block list with latest threat intelligence data base on malicious IPs, URLs and Domains to the firewall policy as an additional protection service		
13	URL/Web Filtering	The proposed firewall should have full web payload analysis with deep learning CNN models, Machine Learning Powered domain analysis, fake captcha detection, HTML character encoding analysis, phishing redirection chain analysis and decoding enabled JavaScript engine to stop data exfiltration attacks from day 1		
		The proposed firewall should allow creation of custom categories according to different needs around risk tolerance, compliance, regulation, or acceptable use		
		The proposed firewall should support policy creation around end user attempts to view the cached results of web searches and internet archives from day 1		

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		The proposed firewall should have a vast categorisation database where websites are classified based on site content, features, and safety in more than 70 benign and malicious content categories		
14	APT Protection/Sandboxing	The Firewall OEM should be SOC2 certified. Malware analysis service should be certified with SOC2 for customer data privacy protection. The data uploaded for unknown threat emulation and analysis, along with all associated services like sandboxing, must reside within India's judiciary boundaries.		
		The solution must be able to use AV and zero day signatures based on payload and not just by hash values and it should support bare metal analysis if required in future using hybrid setup.		
		The proposed solution should have intelligent runtime memory analysis, dependency emulation, malware family fingerprinting to prevent highly evasive modern malware attacks		
		The protection signatures created base unknown malware emulation should be payload or content base signatures that could block multiple unknown malware that use different hash but the same malicious payload.		
15	SSL/SSH Decryption	The proposed firewall should have SSL decryption in Hardware and shall be able to identify, decrypt and evaluate SSL traffic in an outbound connection (forward-proxy)		
		The firewall must have the capability to be configured and deployed as SSL connection broker and port mirroring for SSL traffic		
		The proposed firewall shall be able to identify, decrypt and evaluate SSH Tunnel traffic in an inbound and outbound connections		
		The proposed firewall shall support the ability to have a SSL inspection policy differentiate		

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		between personal SSL connections i.e. banking, shopping, health and non-personal traffic		
		The device should be capable of SSL automatic exclusions for pinned applications.		
		The firewall supports TLSv1.3 decryption in all modes (SSL Forward Proxy, SSL Inbound Inspection, Broker and SSL Decryption Port Mirroring.		
		SSL decryption must be supported on any port used for SSL i.e. SSL decryption must be supported on non-standard SSL port as well		
16	Network Address Translation	The proposed firewall must be able to operate in routing/NAT mode		
		The proposed firewall must be able to support Network Address Translation (NAT)		
		The proposed firewall must be able to support Port Address Translation (PAT)		
		The proposed firewall shall support Dual Stack IPv4 / IPv6 (NAT64, NPTv6 or NAT66 or equivalent)		
		Should support Dynamic IP reservation, tunable dynamic IP and port oversubscription		
17	IPv6 Support	Should be IPv6 Logo or USGv6 certified		
		Should support on firewall policy with User and Applications		
		Should support SSL decryption on IPv6		
		Should support SLAAC Stateless Address Auto configuration		
18	Routing and Multicast support	The proposed firewall must support the following routing protocols:		
		- Static		
		- RIP v2		
		- OSPFv2/v3 with graceful restart		
		- BGP v4 with graceful restart		
		The firewall must support FQDN instead of IP address for static route next hop, policy based forwarding next hop and BGP peer		

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		address		
		The firewall must support VXLAN Tunnel content inspection		
		The firewall must support DDN sproviders such as DuckDNS, DynDNS, FreeDNS Afraid.org Dynamic API, FreeDNS Afraid.org, and No-IP.		
		The proposed firewall must have support for mobile protocols like GTP, SCTP and support for termination of GRE Tunnels		
		The device should support load balancing of traffic on mmultiple WAN links based on application, latency, cost and type.		
		The proposed solution must support Policy Based forwarding based on: <ul style="list-style-type: none"> - Zone - Source or Destination Address - Source or destination port - Application (not port based) - AD/LDAP user or User Group - Services or ports 		
		The Proposed Firewall should support the ability to create QoS policy on a per rule basis: <ul style="list-style-type: none"> -by source address -by destination address -by application (such as Skype, Bittorrent, YouTube, azureus) -by static or dynamic application groups (such as Instant Messaging or P2P groups) -by port and services 		
		PIM-SM, PIM-SSM, IGMP v1, v2, and v3		
		Bidirectional Forwarding Detection (BFD)		
19	DNS Security	The Solution should support DNS security in line mode and not proxy mode		
		Solution should support database maintenance containing a list of known botnet command and control (C&C) addresses which should be updated dynamically		
		DNS Security should support predictive analytics to disrupt		

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		attacks that use DNS for Data theft and Command and Control		
		DNS security capabilities should block known Bad domains and predict with advanced machine learning technology and should have global threat intelligence of at least 10 million malicious domains if needed for any future considerations		
		The Proposed Firewall should support prevention against new malicious domains and enforce consistent protections for millions of emerging domains.		
		The solution should support integration and correlation to provide effective prevention against New C2 domains, file download source domains, and domains in malicious email links. Integrate with URL Filtering to continuously crawl newfound or uncategorized sites for threat indicators. Should have OEM human-driven adversary tracking and malware reverse engineering, including insight from globally deployed honeypots. Should take inputs from at least 25 third-party sources of threat intelligence.		
		The Proposed Firewall should support simple policy formation for dynamic action to block domain generation algorithms and sinkhole DNS queries.		
		The Proposed Firewall should support prevention against DNS tunnelling which are used by hackers to hide data theft in standard DNS traffic by providing features like DNS tunnel inspection		
		The proposed firewall should have protection against DGA, Dynamic DNS, DOT, DOH, NXNS and DNS tunneling based attacks. The proposed Firewall should also have capability to detect DNS		

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		Misconfigurations, DNS Spoofing and DNS injection based attacks from day 1		
		The Proposed Firewall should have support for dynamic response to find infected machines and respond immediately. There should be provision for administrator to automate the process of sink-holing malicious domains to cut off Command and control and quickly identify infected users.		
20	Authentication	Solution should support the following authentication protocols:		
		- LDAP		
		- Radius (vendor specific attributes)		
		- Token-based solutions (i.e. Secure-ID)		
		- Kerberos		
		The proposed firewall's SSL VPN shall support the following authentication protocols		
		- LDAP		
		- Radius		
		- Token-based solutions (i.e. Secure-ID)		
		- Kerberos		
		- SAML		
- Any combination of the above				
21	Monitoring, Management and Reporting	Should support on device and centralized management with complete feature parity on firewall administration. The Firewall should support all the features of configuration management, reporting and analytics on the appliance itself in case Central Management Solution is not available or encountered any failure		
		The proposed firewall must allow single policy rule creation for application control, user based control, host profile, threat prevention, Anti-virus, file filtering, content filtering, QoS and scheduling at single place within a		

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		single rule and not at multiple locations. There must not be different places and options to define policy rules based on these parameters.		
		Firewall internal GUI management and management GUI platform should show unused policy and capabilities and turn them on with best practices, to Understand gaps in configuration best practices , recommendations to close security gaps ,Detect hardware and software system issues.		
		The proposed Management platform should simulate the effects of rule removal before applying changes to ensure that critical traffic is not blocked inadvertently.		
		The proposed Management platform should involve in reviewing and understanding the differences between two configuration versions. Platform should provides tools to compare configurations and identify changes.		
		Should have separate real time logging base on all Traffic, Threats, User IDs, URL filtering, Data filtering, Content filtering, unknown malware analysis, Authentication, Tunneled Traffic and correlated log view base on other logging activities		
		The Proposed Central Management, Analytics and Reporting Solution should be a Hardware appliance and should be from the same OEM. The retention period for the logs should be minimum 90 days with log redundancy and availability in case of any Hardware failure		
		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		

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		PDF, HTML, CSV, XML etc.		
22	Authorization	Original Manufacturer Authorization Certificate to be submitted along with the bid. We reserves the right to reject in case deviation on the basis of technical compliance as submitted in the tender document.		
23	Support & Warranty	OEM should be present in India from at least 5 years and should be proposed with 5 Years OEM support bundle with 24x7x365 days TAC support, RMA (There should be at least 4 RMA dept and one TAC for support in India), software updates and subscription update support. The proposed firewall should be proposed with 5 years subscription licenses for NGFW features, NGIPS, Anti Virus , Anti Spyware, URL Filtering, APT Protection and DNS Security capabilities as mentioned above from day 1		

Minimum Specification of Network Rack

Qty.	01 Nos.
Make	
Model	
Part No	

Sl. No.	Category	Minimum Specification	Specification (Quoted / Applicable)	Complied (Yes / No)
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WEBEL TECHNOLOGY LIMITED

			– by the bidder)	
1	Rack Type	42U Floor Standing Rack for Network Devices.		
2	Dimension	42U × 800 × 1000 steel skeleton with castor mounting provision.		
3	Front Door	Fully perforated / glass single front door with lock.		
4	Rear Door	Fully perforated rear split (dual) door with lock.		
5	Side Panels	Removable side panels.		
6	Cable Channel	100 mm reducing channel.		
7	Earthing	Earthing strip with nickel plating assembly.		
8	Castors & Levellers	Castor set of 4 with levellers.		
9	Rails	19” management rails – 2 pairs.		
10	Fan Unit	4 × roof-mounted fan units (90 CFM / 230 V) with power cord.		
11	Monitor Tray	1 × full-size monitor tray.		
12	Cable Manager	Minimum 2 × 1U cable managers with PVC loop.		
13	PDU	Minimum 2 × PDU with 12 sockets (5/15 A, with MCB protection, 2 m cable each).		
14	Accessories	Hardware mounting nut-bolt set.		

Minimum Specification of Server Rack

Qty.	01 Nos.
Make	
Model	
Part No	

Sl. No.	Category	Minimum Specification	Specification (Quoted / Applicable	Complied (Yes / No)
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WEBEL TECHNOLOGY LIMITED

			– by the bidder)	
1	Rack Type	42U Floor Standing Rack for Server.		
2	Dimension	42U × 800 × 1200 steel skeleton with castor mounting provision.		
3	Front Door	Fully perforated / glass single front door with lock.		
4	Rear Door	Fully perforated rear split (dual) door with lock.		
5	Side Panels	Removable side panels.		
6	Cable Channel	100 mm reducing channel.		
7	Earthing	Earthing strip with nickel plating assembly.		
8	Castors & Levellers	Castor set of 4 with levellers.		
9	Rails	19” management rails – 2 pairs.		
10	Fan Unit	4 × roof-mounted fan units (90 CFM / 230 V) with power cord.		
11	Monitor Tray	1 × full-size monitor tray.		
12	Cable Manager	Minimum 2 × 1U cable managers with PVC loop.		
13	PDU	Minimum 2 × PDU with 12 sockets (5/15 A, with MCB protection, 2 m cable each).		
14	Accessories	Hardware mounting nut-bolt set.		

Authorized Signatory (Signature In full): _____

Name and title of Signatory: _____

Stamp of the Company: _____

WEBEL TECHNOLOGY LIMITED

SECTION – I

DETAILS OF ORDER EXECUTED BY BIDDER

(Tender No. WTL/WBSETCL/HCI/25-26/063 DATED 14.03.2026)

Sl. No.	Order No.	Order Date	Order Value	Brief description of items and job details	Completed (Yes/NO)	Name of the Customer	Contact details of the Customer

Authorized Signatory (Signature In full): _____

Name and title of Signatory: _____

Stamp of the Company: _____

- a. Type of Project shall indicate the implementation of services (Supply, Installation and Commissioning of Hyper-converged Infrastructure with Cloud Software Licenses and Backup Solution for WBSETCL, Govt. of WB.
- b. Scope of work shall indicate whether it is implementation, Operation or maintenance.
- c. Submit Customer Order Copy details of the order indicating the project value, customer contact details, project completion certificate, customer satisfaction certificate etc.

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SECTION – K

FINANCIAL CAPABILITY OF BIDDER

(Tender No. WTL/WBSETCL/HCI/25-26/063 DATED 14.03.2026)

FINANCIAL INFORMATION

Sl. No.	Name of the Bidder	Turnover (Rs. / Crores)		
		2022-23	2023-24	2024-25
1				

Authorized Signatory (Signature In full): _____

Name and title of Signatory: _____

Stamp of the Company: _____

WEBEL TECHNOLOGY LIMITED

SECTION – L

BIDDERS'S DETAILS

(Tender No. WTL/WBSETCL/HCI/25-26/063 DATED 14.03.2026)

1	Name of the Firm	
2	Registered Office Address	
	Contact Number	
	Fax Number	
	E-mail	
3	Correspondence / Contact address	
	Name & Designation of Contact person	
	Address	
	Contact Number	
	Fax Number	
4	E-mail	
	Is the firm a registered company? If yes, submit documentary proof	
	Year and Place of the establishment of the company	
6	Former name of the company, if any	
7	Is the firm <ul style="list-style-type: none">▪ a Government/ Public Sector Undertaking▪ a propriety firms▪ a partnership firm (if yes, give partnership deed)▪ a limited company or limited corporation▪ a member of a group of companies, (if yes, give name and address and description of other companies)▪ a subsidiary of a large corporation (if yes give the name and address of the parent organization). If the company is subsidiary, state what involvement if any, will the parent company have in the project.	
8	Is the firm registered with Sales Tax department? If yes, submit valid GST Registration certificate.	
9	Is the firm registered for Service Tax with Central Excise Department (Service Tax Cell)? If yes, submit valid Service Tax registration certificate.	
10	Total number of employees. Attach the organizational chart showing the structure of the organization.	
11	Are you registered with any Government/ Department/ Public Sector Undertaking (if yes, give details)	
12	How many years has your organization been in business under your present name? What were your fields when you established your organization	
13	What type best describes your firm? (Purchaser reserves the right to verify the claims if necessary) <ul style="list-style-type: none">▪ Manufacturer▪ Supplier▪ System Integrator▪ Consultant▪ Service Provider (Pl. specify details)▪ Software Development▪ Total Solution provider (Design, Supply, Integration, O&M)▪ IT Company	
14	Number of Offices in district headquarters in West Bengal	
15	Is your organization having ISO 9001:2015 certificates?	
16	List the major clients with whom your organization has	

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	been / is currently associated.	
17	Have you in any capacity not completed any work awarded to you? (If so, give the name of project and reason for not completing the work)	
18	Have you ever been denied tendering facilities by any Government / Department / Public sector Undertaking? (Give details)	

Authorized Signatory (Signature In full): _____

Name and title of Signatory: _____

Company Rubber Stamp: _____

WEBEL TECHNOLOGY LIMITED

SECTION – M

PRE-BID MEETING QUERY

(Tender No. WTL/WBSETCL/HCI/25-26/063 DATED 14.03.2026)

Name of the Bidder:

Queries

Sl. No.	Section No.	Clause No.	Page No.	Queries

Note: The filled form to be submitted in XLS or PDF Format. There is a cut off date for receiving of queries before Pre Bid Meeting. Queries received after the cutoff period will not be accepted. The Purchaser reserves the right to respond all queries over e-mail.

Authorized Signatory (Signature In full): _____

Name and title of Signatory: _____

Company Rubber Stamp: _____

WEBEL TECHNOLOGY LIMITED

SECTION – P

MANUFACTURER'S AUTHORIZATION FORM

Date:

To
Webel Technology limited
Plot-5, Block-BP, Sector-V
Salt Lake
Kolkata-700 091

Ref: Tender No.: WTL/WBSETCL/HCI/25-26/063 DATED 14.03.2026

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

When resold by _____, these products are subject to our applicable standard end user warranty terms.

We assure you that in the event of _____, not being able to fulfill its obligation as our Service Provider in respect of our standard Warranty Terms we would continue to meet our Warranty Terms through alternate arrangements.

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

We also confirm that the products quoted are on our current product list and are not likely to be discontinued within from the day of this letter. We assure availability of spares for the products for the next two years after warranty period.

We also confirm that the material will be delivered within 12 weeks from the date of placement of confirmed order.

Name _____ In the capacity of _____

Signed _____

Duly authorized to sign the authorization for and on behalf of _____

Dated on _____ day of _____ 2026

Note: This letter of authority must be on the letterhead of the Manufacturer and duly signed by an authorized signatory.

WEBEL TECHNOLOGY LIMITED

SECTION – Q

PROFORMA FOR PERFORMANCE BANK GUARANTEE

(On non-judicial stamp paper of appropriate value to be purchased in the name of executing Bank)

**PROFORMA OF BANK GUARANTEE FOR SECURITY DEPOSIT –CUM-PERFORMANCE
GUARANTEE**

Ref Bank Guarantee no.....

Date.....

PROFORMA OF BG FOR SECURITY DEPOSIT

KNOW ALL MEN BY THESE PRESENTS that in consideration of WEBEL TECHNOLOGY LIMITED, a Government of West Bengal Undertaking incorporated under the Companies Act, 1956 having its Registered office at Plot – 5, Block - BP, Sector V, Kolkata-700 091 (hereinafter called “The Purchaser”) having agreed to accept from _____ (hereinafter called “The Contractor”) Having its Head Office at _____, a Bank guarantee for Rs. _____ in lieu of Cash Security Deposit for the due fulfillment by the Contractor of the terms & conditions of the Work Order No. _____ dated _____ issued by the Purchaser for _____ (hereinafter called “the said work order _____ dated _____)”. We _____ (Name & detailed address of the branch) (hereinafter called “the Guarantor”) do hereby undertake to indemnify and keep indemnified the Purchaser to the extent of Rs. _____ (Rupees _____) only against any loss or damage caused to or suffered by the Purchaser by reason of any breach by the Contractor of any of the terms and conditions contained in the said Work Order No. _____ dated _____ of which breach the opinion of the Purchaser shall be final and conclusive.

(2) AND WE, _____ DO HEREBY Guarantee and undertake to pay forthwith on demand to the Purchaser such sum not exceeding the said sum of _____ Rupees _____) only as may be specified in such demand, in the event of the Contractor failing or neglecting to execute fully efficiently and satisfactorily the order for _____ Work Order no. , _____ dated _____

(3) WE _____ further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said order as laid down in the said Work Order No. _____ dated _____ including the warranty obligations and that it shall continue to be enforceable till all the dues of the Purchaser under or by virtue of the said Work Order No. _____ dated _____ have been fully paid and its claims satisfied or is charged or till the Purchaser or its authorized representative certified that the terms and conditions of the said Work Order No. _____ dated _____ have been fully and properly carried out by the said contractor and accordingly discharged the guarantee.

(4) We _____ the Guarantor undertake to extend the validity of Bank Guarantee at the request of the contractor for further period of periods from time to time beyond its present validity period failing which we shall pay the Purchaser the amount of Guarantee.

(5) The liability under the Guarantee is restricted to Rs. _____ (Rupees _____) only and will expire on _____ and unless a claim in writing is presented to us or an action or suit to enforce the claim is filled against us within 6 months from _____ all your rights will be forfeited and we shall be relieved of and discharged from all our liabilities (thereinafter)

(6) The Guarantee herein contained shall not be determined or affected by liquidation or winding up or insolvency or closer of the Contractor.

(7) The executants has the power to issue this guarantee on behalf of Guarantor and holds full and valid power of Attorney granted in his favour by the Guarantor authorizing him to execute the Guarantee.

WEBEL TECHNOLOGY LIMITED

(8) Notwithstanding anything contained herein above, our liability under this guarantee is restricted to Rs. _____ (Rupees _____) only and our guarantee shall remain in force up to _____ and unless a demand or claim under the guarantee is made on us in writing on or before _____ all your rights under the guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

WE, _____ lastly undertake not to revoke this guarantee during the currency except with the previous consent of the Purchaser in writing. In witness whereof we _____ have set and subscribed our hand on this _____ day of _____.

SIGNED, SEALED AND DELIVERED

(Stamp of the executants)

WITNESS

1) _____

2) _____

(Name & address in full with Rubber Stamp)

WEBEL TECHNOLOGY LIMITED

INSTRUCTIONS FOR FURNISHING BANK GUARANTEE

1. Bank Guarantee (B.G.) for Advance payment, Mobilization Advance, B.G. for security Deposit-cum-Performance Guarantee, Earnest Money should be executed on the Non- Judicial Stamp paper of the applicable value and to be purchased in the name of the Bank.
2. The Executor (Bank authorities) may mention the Power of Attorney No. and date of execution in his/her favour with authorization to sign the documents. The Power of Attorney is to be witnessed by two persons mentioning their full name and address.
3. The B.G. should be executed by a Nationalised Bank/ RBI Scheduled Commercial Bank preferably on a branch located in Kolkata. B.G. from Co-operative Bank / Rural Banks is not acceptable.
4. A Confirmation Letter of the concerned Bank must be furnished as a proof of genuineness of the Guarantee issued by them.
5. Any B.G. if executed on Non-Judicial Stamp paper after 6 (six) months of the purchase of such stamp shall be treated as non-valid.
6. Each page of the B.G. must bear signature and seal of the Bank and B.G. Number.
7. The content of the B.G. shall be strictly as Proforma prescribed by WTL in line with Purchase Order /LOI/ Work Order etc. and must contain all factual details.
8. Any correction, deletion etc. in the B.G. should be authenticated by the Bank Officials signing the B.G.
9. In case of extension of a Contract the validity of the B.G. must be extended accordingly.
10. B.G. must be furnished within the stipulated period as mentioned in Purchase Order / LOI / Work Order etc.
11. Issuing Bank / The Bidder are requested to mention the Purchase Order / Contract / Work Order reference along with the B.G. No. For making any future queries to WTL.

WEBEL TECHNOLOGY LIMITED

SECTION – R

NIT DECLARATION FOR BIDDER

(Bidders are requested to furnish the Format given in this section, filling the entire Blank and to be submitted on Bidder's Letter Head)

To
Webel Technology Limited
Plot-5, Block-BP, Sector-V,
Salt Lake City,
Kolkata-700091.

Sub: Supply, Installation and Commissioning of Hyper-converged Infrastructure with Virtualization Software Licenses and Backup Solution for WBSETCL, Govt. of WB.

Dear Sir,

We the undersigned bidder declare that we have read and examined in details the specifications and other documents of the subject Tender No. WTL/WBSETCL/HCI/25-26/063 DATED 14.03.2026 for Supply, Installation and Commissioning of Hyper-converged Infrastructure with Virtualization Software Licenses and Backup Solution for WBSETCL, Govt. of WB, published by Webel Technology Limited in e-Tender website.

We further declare that we have agreed and accepted all the clauses / sub-clauses / formats / terms & conditions other requirements related to the said tender and we will abide by the same as mentioned in the tender document while participating and executing the said tender.

Thanking you, we remain

Yours faithfully

.....
Signature

.....
Name in full

.....
Designation

.....
Company Stamp

Dated, this.....day of.....2026