

TENDER DOCUMENT

FOR

**Upgradation of Existing Nutanix Infrastructure For Data center &
Disaster Recovery Site.**

Reference Number: MSCB/ITD/NUTX/ 74 /2026-27 dated 22.06.2026

**Cost of the Tender Document:
Rs.10,000/- plus GST (Rupees Five Thousand Only) per copy.**

MSC BANK
SCHEDULED BANK

Maharashtra State Co-operative Bank Ltd
Sir Vithaldas Thackersey Smruti Bhavan,
9, Maharashtra Chamber of Commerce Lane, Fort Mumbai 400001.

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1. Tender Highlights:

Document Reference	MSCB/ITD/NUTX/ 74 /2026-27
Price of Tender Document	Rs. 10,000 /- plus GST @18% by NEFT Only
EMD Amount	Rs. 1000000/- by NEFT Only
Date of Commencement of Sale of Document	22.06.2026
Last date of submitting Pre-Bid Queries	02.07.2026
Date of Pre-Bid Meeting (Only those Bidders can participate who have purchased tender document)	06.07.2026
Last date of submission	14.07.2026 till 5:00 pm
Date of Technical Bid Opening	Will be communicated to Bidder by email.
Date of Financial Bid Opening	Will be communicated to Bidder by email.
Address for Communication	Manager, IT Department, Maharashtra State Co-operative Bank Limited, Sir Vithaldas Thackersey Smruti Bhavan, 9, Maharashtra Chamber of Commerce Lane, Fort, Mumbai 400001.
Contact Telephone Numbers	022-69801074 / 75
Email	shekhar.matekar@msc.bank.in virendra.zore@msc.bank.in ; nikhil.chipat@msc.bank.in vivek.koli@msc.bank.in it@msc.bank.in

Terms and Conditions, eligibility criteria and procedure for submission of Bids are given in the tender document. The Tender document may be obtained by paying a non-refundable fee of Rs. 10,000/- (Rupees Ten Thousand only) plus GST @18% in NEFT Account No 0002116900000003 (IFS Code – MSC10082002, title of account – “EMD for Purchase of IT Products”). The same can also be downloaded from the official website of **MSCB** (msc.bank.in) and may be submitted along with non-refundable fee of Rs 10,000/- (Rupees Ten Thousand only) plus GST @18% in NEFT Account No 0002116900000003 (IFS Code – MSC10082002, title of account – “EMD for Purchase of IT Products”).

Date :

Place: Mumbai

Maharashtra State Co-operative Bank Ltd

Dilip Dighe

Managing Director

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2. MSC Bank Background:

Maharashtra State Co-operative Bank (hereafter refer as MSC Bank) is a premier co-operative institute at State level established in 1911. It is rendering its services to its increasing number of clienteles in more diversified and multifarious bank services and facilities over last 11 decades and has established itself a leader of co-operative movement in the state of Maharashtra. It has been in the process of helping the economic development of rural Maharashtra through its six regional offices and 57 Branches in the State.

The main business of the MSC Bank can be classified as direct financing for the District Central Co-operative Banks, Co-operative societies engaged in various fields like Sugar production, Marketing, Spinning Mills, various types of agriculture processing units; direct financing to some State level and National level co-operatives and refinancing through three tier system i.e. MSC Bank at apex level, DCC Banks at middle level and primary agriculture societies at grass root level.

At present the Bank has fully computerized environment with successfully running CBS. The Bank has a co-located Data Center at Airoli, Navi Mumbai and Disaster Recovery site at Bengaluru.

3. Tender Objective:

The Bank has existing Nutanix hyperconverged infrastructure at Data Center and Disaster Recovery site. Currently we have 7 node application cluster and two 3 node database cluster at Data center and disaster recovery site we have 4 node application cluster & 3 node database cluster.

Further more we are in process of Migration of Current Core Banking System to Finacle, as per recommendation from Finacle team we are looking for RISC architecture-based servers and storage system at our Data Center and Disaster recovery site for our CBS and few allied banking applications'.

As a result our current load on Nutanix infrastructure will get reduce to non-CBS load consisting of Application and Database load.

As we are reaching End of support life for our current Nutanix infrastructure and We intend to upgrade this infrastructure by adding addition nodes in capacity for required load.

Also we intend to move our Oracle database virtualize servers on oracle Linux Virtualization Manage (OLVM) so we can have control over use of License hence we are having 2 nodes at each DC and DR for deployment of OLVM also we need 2 addition nodes ant DC and DR for other applications use

So we are executing this RFP process with reference to call responses from Bidders for "Upgradation of Existing Nutanix Infrastructure For Data center & Disaster Recovery Site". Also adding addition server & OS licenses requirement.

4. INSTRUCTIONS TO BIDDER

4.1 QUALIFICATION CRITERIA (Eligibility of the Bidder)

Sr. No.	Criteria	Documents to be submitted as a proof
1	The bidder should be a registered company in India under the Indian companies Act 1956/ companies Act 2013 / Partnership Act and should be in existence for minimum period of two years as on the date of RFP.	Proof, such as Registration/Incorporation Certificate is to be submitted.
2	The bidder should have a minimum of 5 (Five) years' experience in IT & 4 years in the field of Nutanix Infrastructure Supply, Installation, Migration, Implementation and Support Business & Cyber Security appliances.	Minimum 2 Work order / agreement of the projects to be provided as proof completed in last 5 years.
3	Must have supplied & implemented minimum 2 orders for Oracle Virtualization or Linux based virtualization in last 5 years.	Minimum 2 Work order / agreement of the projects to be provided as proof completed in last 5 years.
4	Must have supplied & implemented minimum 3 Nutanix infrastructure in last 5 years. Out of which one order should be from Bank and others could be PSU/NBFC/BFSI/Big corporate or government.	Copy of Work order / The completion certificate of the projects to be provided as proof.
5	Bidder should have executed minimum one order for Nutanix infrastructure upgrade for Bank and one orders could be PSU/NBFC/BFSI/Big corporate or government in last 5 years.	Copy of Work order / The completion certificate of the projects to be provided as proof.
6	Bidder should have a fully functional service / support Centre in Mumbai & Bengaluru with minimum 5 qualified certified Technical Support Staff. to provide quality service support	List of centres to be attached These engineers should be on roll or direct contract employees of Bidder and not from any franchisee of the Bidder. Copy of Certificate from Nutanix to be attached
7	The bidder should have at least one certified Engineer(s) having Certification on OEM technology of each Category of hardware & technology being quoted and Engineer(s)	Details of the engineers along with the copy of certification of engineer to be attached along with the technical bid.
8	Bidder should have sound financial background and should have been making profits for the last 3 years and total turnover of the firm should be minimum of	Chartered Accountant (CA) certificate and Audited Balance

	rupees 100 Crores for each year, during last three financial years.	Sheet and Profit and Loss for past three years.
9	The Bidder should have never been blacklisted / barred / disqualified by any regulator / Statutory Body and the bidder/firm is otherwise not involved in any such incident what so ever, where the job undertaken / performed and conducted has been questioned by any authority, which may lead to legal action:-	Self-declaration to that effect should be submitted along with the technical bid. On a later date if self-declaration is found to be void it may entail disqualification
10	The Back to Back OEM warranty & services should be 7 Years	Self-declaration to that effect should be submitted along with the technical bid.
11	Bidder should have valid ISO Certification-	Valid documents to be submitted
12	All Annexures mentioned in RFP documents to be uploaded	Annexures to be complied and declaration on letter head to be submitted.
13	The Bidder should have MAF from OEM In specified format mention in annexure	MAFs from respective OEM(s) as per format given in Annexure-H covering each category of equipment need to be enclosed.
14	The Bidder should be authorized partner of OEM and partnership certificate should be Gold, Silver or Platinum.	Partnership certificate to be submitted.

4.1.1 The NEFT details for obtaining the tender document is to be submitted in a separate envelop and not along with Technical bid or Commercial bid.

4.1.2 Bidder must comply with all above-mentioned criteria. Non-compliance of any of the criteria will entail rejection of the offer summarily. Photocopies of relevant documents / certificates should be submitted as proof in support of the claims made. Bank reserves the right to verify /evaluate the claims made by the Bidder independently. Bank's decision in this regard shall be final, conclusive and binding on the Bidder.

4.2 FORMAT FOR TECHNICAL OFFER/TECHNICAL BID

4.2.1 The Technical offer must be made in an organized, structured and neat manner and shall be spiral bound. Booklet / Brochures/ leaflets / Bill of Material etc. should not be submitted in loose form.

4.2.2 Bidder must ensure that all the documents are sealed and signed by the

authorized signatory.

4.2.3 The printed copy of Technical bid proposal as given in **Annexure – A to Annexure L, Annexure – 1 to Annexure 2** neatly typed on the letterhead of the Bidder company, duly filled in, signed by authorized signatory and complete in all respect including Annexure for detailed specifications of equipment's to be supplied etc. as directed.

4.2.4 Other documents to be submitted in the Technical offer are: -

4.2.4.1 Index

4.2.4.2 Copies of Bidder related documents

4.2.4.2.1 Bidder Registration Certificate of relevant authority.

4.2.4.2.2 Sales Tax Registration Certificate, TAN No. /TIN No.

4.2.4.2.3 ST Registration Certificate.

4.2.4.2.4 Audited Balance Sheet and Profit and Loss for past three years.

4.2.4.2.5 IT Returns of last three years.

4.2.4.2.6 Partners of leading multinational Networking devices.

4.2.4.3 Profile, Infrastructure of Bidder / Partners, Establishment location – Branches, support and development centers etc.

4.2.4.4 Technical Documentation (Product Brochures, leaflets, manuals etc.).

4.2.4.5 Detailed Delivery Schedule for supply of Devices.

4.2.4.6 Tentative briefing about the team to be deployed: number, qualifications etc.

4.2.4.7 List of customers and services provided. Please attach proofs of the same.

4.2.4.8 All Claims made by the Bidder will have to be backed by documentary evidence. In case the same is found to be lacking in terms of the claims made, the Bidder is liable to disqualification. MSC Bank may request the Bidder to demonstrate all the technical functionalities and features (mentioned as 'compliant' in the Bidder's technical bid) at the MSCB's discretion. Bidders who cannot show a feature or demonstrate functionality (mentioned as 'compliant' in the Bidder's technical bid) will be disqualified.

4.2.5 A soft copy (Word/Excel/Power Point) of the entire Technical Bid document along with the Bill of Material (BOM) should also be submitted on a Pen Drive in the same sealed envelope along with the hard copy of the Technical Offer excluding Commercial Information.

4.2.6 The Technical Bid submitted in response to this Tender Document along with the supporting material, will become the property of the MSC Bank.

4.3 FORMAT FOR COMMERCIAL OFFER

4.3.1 Rates should be quoted in Indian Rupees (INR) only.

4.3.2 The taxes shall not be quoted in a column as given in the **Annexure L**.

4.3.3 The Commercial offer must not contradict the technical offer in any way.

4.3.4 The suggested format for submission of Commercial offer/Commercial bid is as follows:

- 1) Index
- 2) A detail Rate Schedule (as per **Annexure L**).
- 3) The commercial offer must contain all price information.
- 4) A Written statement by the authorized signatory that the Bidder agrees to the payment schedule & penalties as mentioned in the Chapter 8C Schedule of Payment & 8G penalties.

4.3.5 A soft copy (Word/Excel/Power Point) of the entire Technical Bid document should also be submitted **on a Pen Drive in the same sealed envelope (excluding commercial offer)** along with the Hard Copy of the Technical Offer.

4.3.6 The specifications of the Nutanix, oracle Hypervisor & Lenovo Server are mentioned in **Annexure B**.

4.4 TWO BID SYSTEM

4.4.1 The offer should be submitted in two (2) separate envelopes and later in one common envelope. The details thereof are as follows:

1) ENVELOPE-I (Technical Offer):

- The Technical Offer (TO) should be completed and complied with in all respects and contains all information/ documents asked for, except commercial offer.
- The TO should be in strict adherence to the chapter **4.2** and shall include all items as asked for in it.
- It is mandatory to submit technical details in the prescribed format (**Annexure B**) duly filled in along with the offer.
- The TO should not contain any commercial offer information.
- MSC Bank, at its sole discretion, may not evaluate a TO in case of non-submission or partial submission of technical details however technical scrutiny will be performed by adhering the procedure mentioned in the chapter 5 "Evaluation Criteria & Process" of this tender document.

2) ENVELOPE-II (Commercial Offer):

- The Commercial Offer (CO) should give all relevant price information and should not contradict the TO in any manner.
- The CO should be in strict adherence to the **Chapter 4.3** and shall include all items as asked for in it.
- CO should be given strictly in the format given as **Annexure L** of the Tender

- ## 4.5 GENERAL TERMS & CONDITIONS

- 4.5.8 The Bidder shall be responsible for the complete successful migration of
- Maharashtra State Co-operative Bank Ltd** Page

existing setup to new Setup.

A. EARNEST MONEY DEPOSIT

- i. Bidder shall deposit as part of its bid, EMD of Rs 10,00,000/- (Rs Ten lakh Only) electronically in NEFT Account No 0002116900000003 (IFS Code – MSCI0082002, title of account – “EMD for Purchase of IT Products”) as EMD.
- ii. Unsuccessful Bidder's EMD will be discharged within thirty (30) days from the Tender Award date.
- iii. No interest will be payable on EMD.
- iv. Tender made without paying EMD will be rejected. Any decision of MSC BANK in this regard shall be final, conclusive and binding on the Bidder.
- v. **EMD may be forfeited:**
 - If the Bidder withdraws its bid during the period of bid validity.
 - If Bidder makes any statement or encloses any form which turns out to be false, incorrect and/or misleading at any time prior to signing of contract and/or conceals or suppresses material information; and / or
 - In case of the successful Bidder, if the Bidder fails:
 - ✓ To sign the contract in the form and manner to the satisfaction of MSC Bank
 - ✓ To furnish performance security in the form and manner to the satisfaction of MSC Bank
 - In case the successful Bidder complies with the requirement mentioned above, EMD will be returned within 30 days of compliance thereof.

4.5.9 PRE-BID MEETING:

There will be a pre-bid meeting with all the Bidders, to address any queries in connection with the tender document. It is essential that all clarifications / queries to be submitted to the MSC Bank before the pre-bid date or the date specified for this purpose by email to:

shekhar.matekar@msc.bank.in

virendra.zore@msc.bank.in;

nikhil.chipat@msc.bank.in

vivek.koli@msc.bank.in

it@msc.bank.in

Only those Bidders can participate pre-bid meeting who purchased the document.

4.5.10 PERIOD OF VALIDITY OF BID:

- 1) **Validity Period:** Bids shall remain valid for Sixty (60) days after the date of opening of commercial offer as prescribed by MSC Bank.
- 2) **Extension of Period of Validity:** Under exceptional circumstances, the MSC Bank may solicit the Bidder's consent to an extension of the validity

period. The request and the response thereto shall be made in writing. Extension of validity period by the Bidder should be unconditional and irrevocable. EMD provided shall also be suitably retained further. A Bidder may refuse the request without forfeiting the EMD. A Bidder granted the request, will not be permitted to modify the commercial offer. The decision of MSC Bank in this behalf will be final, conclusive and binding on the Bidder.

4.5.11 MODIFICATION AND WITHDRAWAL OF OFFERS/BID:

Bidder may modify or withdraw its bid/offer after its submission, provided that written notice of the modification or withdrawal is received by the MSC Bank prior to the closing date and time prescribed for submission of tender document. No offer can be modified or withdrawn by the Bidder, subsequent to the closing date and time for submission of tender document.

4.5.12 PRELIMINARY SCRUTINY:

MSC Bank will scrutinize the offers/bids to determine whether they are complete, whether any errors have been made in the offer/bid, (whether required technical documentation has been furnished, whether the documents have been properly signed, and whether items are quoted as per the schedule.) as per procedure mentioned in the chapter 5 and also mentioned in the appropriate chapters of this tender document.

4.5.13 CLARIFICATION OF OFFERS/BIDS:

To assist in the scrutiny, evaluation and comparison of offers/bids, the MSC Bank may, at its sole discretion, ask some or all Bidder for clarification of their offer/bid wherever required. The request for such clarifications and the response will necessarily be in writing and no change in the price or substance of the bid shall be sought, offered or permitted. Any decision of the MSC Bank in this regard shall be final, conclusive and binding on the Bidder.

4.5.14 SIGNING OF THE BID:

The bid shall be signed by a person or persons duly authorized by the Bidder with signature duly attested. In the case of a body corporate, the bid shall be signed by the duly authorized officers and supported by internal corporate authorizations.

4.5.15 ERASURES OR ALTERATIONS:

The offers/bids containing erasures or alterations will not be considered. There should be no hand-written material, corrections or alterations in the offer/bid. 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. MSC Bank may treat offers/bids not adhering to these guidelines as unacceptable. The bid form and the documents attached to it shall not be detached or removed one from the other and no alteration (s) or mutilation (s) (other than filling in all the blank spaces) shall be made in any of the bid documents attached thereto. Any alterations or changes to the entries in the attached documents shall be made by a separate covering letter, in the absence of which it shall be rejected forthwith. Any decision in this regard by MSC Bank shall be final, conclusive and binding on the Bidder.

4.5.16 COST OF PREPARATION & SUBMISSION OF BID:

The Bidder shall bear all costs for the preparation and submission of the bid. MSC Bank shall not be responsible or liable for reimbursing/compensating these costs, regardless of the conduct or outcome of the bidding process.

4.5.17 ARITHMETICAL ERRORS:

MSC Bank reserves the right to adjust arithmetical or other errors in the bid, in the manner in which MSC Bank considers appropriate or deem fit. Any adjustments so made by the MSC Bank shall be stated to the Bidder, if MSC Bank makes an offer to accept his bid. The final decision as to any error manifest or otherwise shall be at the sole discretion of MSC Bank and be final, conclusive and binding on the Bidder.

4.5.18 LANGUAGE:

The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and MSC Bank and supporting documents and printed literature shall be in English.

4.5.19 BID REJECTION CRITERIA:

The bid(s) will be rejected in case of any one or more of the following conditions:

- i. Bids are not substantive and not in strict compliance with the pro-forma given in this document.
- ii. Bids are not made in compliance with the procedure mentioned in this document.
- iii. Failure on part of the Bidder to provide appropriate information as required in the bid proposal or any additional information as requested by the Bank including any supporting document.
- iv. Incomplete or conditional bids or partly quoted bids or bids that do not fulfill all or any of the conditions as specified in this document.
- v. The submission of more than one bid under different names by one

Bidder is not acceptable. If the same is found at any stage, all the bids by that Bidder and related partners will be rejected.

- vi. Material inconsistencies in the information submitted.
- vii. Misrepresentations in the bid proposal or any supporting documentation.
- viii. Bid proposal received after the last date, time and submission mode specified in this document.
- ix. Bids found in unsealed cover, unsigned bids, bids signed by unauthorized person and alterations made by over writing /scratching in the bids.
- x. Bids containing erasures or overwriting except as necessary to correct typographical errors made by the Bidder, in which case such corrections shall be authenticated by the person or persons signing the bid.
- xi. Any threat or communication to the bank officials or Consultant for marketing of any Bidder name.

4.5.20 DISCLAIMERS AND EXCLUSIVE RIGHTS OF THE MSC BANK:

- 1) Any decision as to compliance of the terms and conditions of the tender document and on rejection of any tender document or any part thereof shall be at the sole discretion of MSC Bank and shall be final, conclusive and binding on the Bidder.
- 2) At any time, up to the last date of receipt of Bids, the MSC Bank may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Tender Document by an amendment. All such amendments shall be binding on the entire Bidder. The bank shall inform such amendments to all the Bidders only by e-mail on the PROVIDED Email ID by the Bidder. In order to afford prospective Bidder reasonable time to take the amendment into account in preparing their Bids, the Bank may, at its discretion, extend the last date for the receipt of Bids and date of opening the bids which shall be conveyed to all the Bidder only by e-mail on the PROVIDED Email ID by the Bidder.
- 3) MSC Bank reserves the right to accept or reject in part or full any or all the offers without assigning any reasons thereof. Any decision of MSC Bank in this regard shall be final, conclusive and binding on the Bidder.
- 4) MSC Bank reserves the right to re-issue the tender and or any part thereof without assigning any reason whatsoever, at the sole discretion of MSC Bank. Any decision in this regard shall be final, conclusive and binding on the Bidder.

- 5) MSC bank reserves the right to give negative marks or disqualify in case if bank noticed the pricing quoted purposely low to get the tender award. In such situation bank may compare, evaluate the pricing quoted by the other Bidders and arrived at appropriate decision for maintaining the banks interest by selecting the qualified Bidder.
- 6) MSC Bank reserves the right to accept or reject any bid in part/full or annul the bidding process and reject all bids at any time prior to award of contract without assigning any reason, without thereby incurring any liability to the affected Bidder(s) or any obligation to inform the affected Bidder(s) of the ground for its action. Any decision of the Bank in this regard shall be final, conclusive and binding on the Bidder.
- 7) MSC Bank reserve the right, not an obligation, to carry out the capability assessment of the Bidder (with the help of outside agency, if required) and pre-dispatch inspections at the cost of the Bidder. The Bank's decision shall be final in this regard.
- 8) MSC Bank reserves a right to give minor deviations to any / the entire Bidder in the techno-commercial specifications of bid. Any decision of the Bank in this regard shall be final and shall be binding on the Bidder.
- 9) In case, any difference of opinion between Bidder and the Bank about any term / clause / condition, the interpretation of the Bank shall be final and conclusive.
- 10) **RIGHT TO ALTER QUANTITIES:** The Bank reserves the right to issue Purchase Order in phases or to alter the quantities/brand/product specified in the offer. The Bank also reserves the right to delete one or more items from the list of items specified in offer. Any decision of the Bank in this regard shall be final, conclusive and binding on the Bidder without any recourse.
- 11) **NO COMMITMENT TO ACCEPT LOWEST OR ANY OFFER/BID:** MSC Bank Shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers without assigning any reason whatsoever. MSC Bank has the right to re-issue tender/bid. MSC Bank reserves the right to make any changes in the terms and conditions of purchase that will be informed to all Bidders. MSC Bank will not be obliged to meet and discuss with any Bidder, and/or to listen to any representations once their offer/bid is rejected. Any decision of MSC Bank in this regard shall be final, conclusive and binding on the Bidder without any recourse.
- 12) **Repeat Order:** The MSC Bank reserves right to place a repeat order on

the Bidder under the same price, terms and conditions within a period of One year from the date of acceptance and installation of Upgradation of Existing Nutanix Infrastructure.

5 SCOPE OF THE ENTIRE PROJECT

The purpose of rfp is to shortlist Bidder for supply, installation, configuration & implementation of Nutanix Hypervisor & Lenovo Server also relevant peripheral for data center & disaster recovery site. Bidder has to help in migration/ Upgradation of existing setup platform for data center (DC), disaster recovery (DR) site and development environment of the bank. Bank expects the Bidder to provide end to end migration / Upgradation, implementation, go-live and best in-class support for hypervisor, server with competitive pricing which meets the highest industry standards to new services as per the technical specifications of the server given separately for the MSC bank, at its data center at Airoli, Navi Mumbai and disaster recovery site at Bengaluru on a comprehensive onsite warranty for 7 years.

Bidder also need to do end to end implementation of Nutanix and Oracle Linux Virtualize environment in which

- New infrastructure of Nutanix need to unbox, rackmount, install and configure in space provided by Bank and then it needs to be upgraded to our current infrastructure, by creating parallel setup for new infrastructure new licenses and security features. During this uninterrupted and seamless transformation need to be happen with to new setup and current security features and update current license to accommodate new license period.
- Upon successful migration and implementation of all old infra onto the new hardware infrastructure, all legacy/old servers shall be decommissioned and removed one by one. The removal activity shall be carried out post-installation and stabilization of the new systems, as per the schedule and instructions provided by the Bank.
- New setup needs to be created for OLVM and new database and application servers need to be created or migrated from old infrastructure. Also storage provided by bank need to added and necessary configuration has to be done for storage requirement as per banks requirement.
- Bidder has to setup and configure Security features (like micro-segmentation) for both Nutanix and OLVM setups as per banks need and also need to setup and test DR migration and setup.
- New infrastructure of addition servers need to unbox, rackmount, install and configure in space provided by Bank and then data from old setup need to be

migrated.

- All infrastructure need to be incorporated with backup solution infrastructure.
- Any new requirement related to setup has to be addressed.

This Request for Proposal document has been prepared solely for the purpose of enabling the “Maharashtra State CO OP Bank”, to shortlist suitable Bidder

Delivery Location	Billing address
Data Center: ESDS Software Solutions Ltd. 201 & 202, A&B Wing, 2nd Floor, Reliable Tech Park, Central Rd N, Gavate Wadi, MIVENDOR Industrial Area, Airoli, Navi Mumbai, Maharashtra 400708.	Head Office: Maharashtra State Co-Op Bank Ltd., Sir Vithaldas Thackersey Smruti Bhavan, 9, Maharashtra Chamber of Commerce Lane, Fort, Mumbai - 400 001.
DISASTER RECOVERY Site: ESDS Software SOLUTION LTD., New STPI Building, Cyber park, 1st floor, Electronic city, Hosur Road, Plot no. 76 & 77, Electronics City Phase 1, Bengaluru, Karnataka- 560100	

6 STEPS INVOLVED IN THE PROJECT

Bidder shall carry out supply, installation and configuration of the hardware items as per specifications given in Technical Bid **Annexure – B** at respective locations as mentioned at **Annexure - K** of this Tender.

a. Supply, Installation, Configuration and migration

- The selected Bidder shall carry out site inspection prior to delivery and installation of the items and inform Bank on site readiness pre-requisites.
- The Bidder shall deliver the hardware items complying with prescribed technical specifications along with necessary accessories, licenses and management software/ tool for status reporting and management of respective items.
- The bidder shall rack mount, install and configure and integrate the items and resolve issues, if any, with Bank's existing network viz. LAN/WAN/SAN etc.
- In case of Servers, Bidder shall:
 - ✓ Upgrade latest firmware.
 - ✓ Install Operating System with latest service packs/ patches and monitoring tools supplied with the servers along with necessary patch and packages for deployment.
 - ✓ Create disk volumes/ partitions as per Bank's requirement.
 - ✓ Create Vlan, Migrate VMs as per Bank's requirement. Schedule backup for these VM's too.
 - ✓ Support installation of Nutanix & Oracle Software requested by Bank.
 - ✓ Help the Bank in resolving any device Drivers / OS related issues encountered while and post deploying Oracle Database or any other software/ application by the Bank.
- Submission of Installation Certificate as per standard format, duly signed by the Bank.
- Submit detailed architecture for implementation / Integration with existing Bank infrastructure for entire solution.
- Post installation, bidder should submit Configuration Document to Bank like LLD and HLD.

b. Training & Knowledge Transfer

- The selected Bidder will ensure knowledge transfer to the Bank at every stage of the project to enable the Bank to carry out the work as specified in this RFP in future after completion of this assignment.
- The bidder will be required to demonstrate features / functionalities and administration of the commissioned hardware / software to the Bank.
- The bidder will prepare and submit necessary architecture, installation and configuration documents, LLD and HLD etc.
- SPOs of activities will be prepared & shared with Bank officials.
- The bidder has to provide training to Bank officials and onsite support staff for using the proposed hardware.

c. Shifting

- The Bank may, during the currency of the warranty/AMC period, shift the equipment to other location(s) within the Country. The bidder needs to ensure that the OEMs warranty / AMC is valid across India. Further, bidder undertakes to continue to provide warranty/AMC and maintain/support the goods at the new location.
- The charges towards physical shifting would be borne by the Bank.

- Bidder will be informed about old and new location/office details as and when the Bank decides to shift the hardware due to operational/ business requirements. Bidder will deploy resource(s) for decommissioning of respective equipment at old location and Commissioning of the same at new location at no additional cost.
- The Bidder is required to update their database and provide support, Warranty/AMC etc, for the shifted devices at the new location.
- No additional cost whatsoever would be paid by the Bank in this regard.

d. Warranty:

The offer must include a minimum comprehensive onsite Manufacturer's warranty of Seven years from the date of successful installation and acceptance of the Nutanix Hypervisor & Lenovo Server by the MSC Bank. 7 Yrs Comprehensive Warranty, Support & Services.

Bidder shall be fully responsible for the manufacturer's warranty in respect of proper design, quality workmanship and subscription of all equipment accessories etc. covered by the tender. Bidder must warrant all equipment's, accessories, spare parts etc. against any manufacturing defects during the warranty period. During the warranty period Bidder shall maintain the systems and repair / replace at the installed site, at no charge to the MSC Bank, all defective components within definite time to not to hamper continuity of the Banks business to minimize downtime.

Warranty should not become void if the MSC Bank buys any other supplemental equipment's from a third party and installs it with / or within these machines. However, the warranty will not apply to such third-party items installed by the MSC Bank.

e. MANUALS AND DOCUMENTS:

- a) The Bidder should provide System Administration manuals, User/ Operational manuals and all related manuals which shall be used by Bank.
- b) All installation and configuration reports in desired formats, documents, diagrams etc. are to be supplied before commissioning / installation of each equipment being supplied.
- c) SOP will be provided for all activities.

f. TIME PERIOD FOR COMPLETION

- a) The time line for completion of the project shall be maximum 8 weeks from the date of issue of purchase order and further can be mutually decided with the selected Bidder with sufficient reasons for extending the time line.
- b) The project will be deemed complete only when all the solutions and items as per the contract are delivered in good condition, installed, implemented along with the associated documentation and training provided to Bank's employees; as per the requirements of the contract executed between the Bank and the Bidder. After the successful installation/implementation of the

solutions, a User Acceptance Test Report and Business User Test Report will be released by the Bank which is a precondition for the release of payment to the Bidder.

c) The delivery period would be within 6 weeks from the date of PO.

g. SECURITY AND COMPLIANCES:

- a) The Bidder shall ensure that the entire IT infrastructure to be provided in response to this tender shall be in conformity with the requirements of applicable provisions of Information Technology Act, 2000 and related amendments to the act, Reserve Bank of India guidelines and other statutory and regulatory authorities.
- b) The Bidder shall assist the Bank in planning for security and related authorization, registration, and audit capabilities. This includes authentication capability (access rights and passwords), logon administration and synchronization across servers and applications, and support for required security classifications.
- c) Bidder shall use the system access granted by the Bank only to the extent necessary to perform the Services.
- d) Bidder shall notify the Bank of any security violations & license requirement / action required from the Bank.
- e) Bidder shall agree not to share, leak, copy, reproduce, sell or damage or use the Bank's data to anywhere other than notifying Bank in writing having written approval from Bank Authority. In case of such experiences during the implementation or after the post implementation in future, the contract will be terminated with immediate effect by issuing notice in writing.

Detailed scope of work is being place below:

Sr. No.	Detail scope of work
Phase- 1	Project Kick Off, Data collection, Review, HLD,LLD, Project Plan submission
A	Initial Study and Discussion: BIDDER to conduct an on-site meeting with Bank after issuance of PO: ▪ Review the engagement objectives, roles, and responsibilities. ▪ Provide an overview of the engagement methodology. ▪ Identify the tasks to be completed. ▪ Initiate the required data collection
B	OEM to prepare following documents: ▪ Detailed design documents for the deployment/installation of the proposed Server systems and migration of the App/DB workloads from one machine to another as per design document. ▪ Installation / configuration documents of the proposed hardware & virtual machines.

	- Architecture diagram - Server virtualization setup document.
C	Data Collection & Review: OEM / Bidder to conduct data collection for: - Review of BOM for Servers - Collect baseline configuration & performance data of current environment, analyzing the current resource utilization levels, required for arriving at the detailed system design and implementation architecture. - Provide input gathering template to customer for collecting V-Lan profiles, IP/Network configurations, gold image requirements, critical application sizing's and IO requirements. - After the analysis, if there is any further upgrade is required in BOM then the same has to be ensured by the Bidder without any additional cost to the Bank
D	Migration Approach/Planning Bidder to prepare detailed migration approach and plan for each of the workloads to be migrated, considering the following details: - Migration Pre-requisites - Application/Server Inter-Dependency - Cluster Dependency - Storage Dependency - Network Dependency Accordingly, the migration task has to be performed.
E	Server Low Level Design for Nutanix & For Oracle Virtualize servers OEM to provide Low Level Implementation design with virtualization architecture with the following details: - Vlan Placement and Resource configuration - Adapter placement for high availability and performance - Network High Availability & Link Aggregation - OS Parameter Changes - Design review and final design document for customer signoff and provide Pre-requisites for the implementation phase, - Network Ports & Storage Ports required - Connectivity to the Network & SAN switch - Design and implement network segregation and security solution for VMs. & For Standalone servers - OS Parameter Changes - Design review and final design document for customer signoff and provide Pre-requisites for the implementation phase, - Network Ports & HLD Connectivity to the Network & SAN switch if any
Phase- 2	Hardware Delivery
	Bidder has to supply requisite hardware, software & licenses as mentioned in the technical specification to the specified locations i.e. Datacenters Mumbai & Bangalore within 6 to 8 Weeks from the placement of order.

	▪ Delivery of the equipment shall be made by the bidder in accordance with the system approved / ordered. The details of the documents to be furnished by the Vendor are specified hereunder: • Copies of Delivery Challans. • Copies of packing list identifying contents of each package ▪ The delivery & installation schedule specified above shall be strictly adhered to. The delivery of IT equipment at location will be done on obtaining prior permission from dealing group. ▪ The Bidders should submit a list of support center addresses, contact person & the resolutions /response/ Escalation matrix for these locations.
Phase – 3	Installation & Configuration
	▪ Hardware installation, configuration & migration will be done by Certified engineers. The Bidder will deploy project manager and engineers for the installation, configuration & migration. No subcontracting is allowed. The Bidder to ensure the availability of implementation team till the installation and Commissioning of the equipment/software & migration. ▪ Requisite Storage cabling and zone design for the storage connections for the proposed hardware with storage provided by the bank. ▪ Implement security solution like Network security policy for VMs, NTP for cluster and VMs, etc.
Phase – 4	Implementation of Low-Level Design
	▪ Configuration of new hardware as per the design, ▪ Validation of hardware installation ▪ Review System Firmware levels ▪ Prepare/ Build the NTP Server for the Installation ▪ AOS deployment and Virtualization configuration ▪ OS deployment ▪ Hardening of server ▪ Validation of Network and SAN connectivity ▪ VLAN configuration ▪ Snapshot configuration ▪ Node Failover Tests and Implementation validation ▪ Perform VM Host hardening and provide document.
Phase – 5	UAT sign off
	▪ Execute the Cluster Test Plans & document the results ▪ Handover for the application installation ▪ Handover of pre-prod/test for workload as per project timelines ▪ Provide support for testing environment, fine tune the solution as per test results and document it ▪ Perform VM migration to remote site.
Phase – 6	Project Completion & Sign Off
A	Post implementation support includes following: ▪ Firmware Upgrades ▪ Faulty Parts replacement ▪ System monitoring ▪ Troubleshooting & Performance Tuning ▪ Operating System Upgrades ▪ Hypervisor Upgrades

	- Upgrades of supplied software - Advisories on software upgrades & vulnerabilities - Support during DR Drills - Any support required to make systems & software up and running - Bank must be able to log a call with the OEM directly - Provide Post Implementation customization/support AHV configuration changes based on application requirement - Implementation SOP for Security solution of VMs.
Phase – 7	a. Training
	Minimum 7 working days training to be provided by OEM on AHV, AOS & VM Performance Tuning.
Phase – 8	Ongoing Support
	<u>Bidder to ensure:</u> - Overall Project completion tracking - Co-ordination with Bank and OEM to complete the end-to-end delivery of project within given timelines. - Weekly Review meeting with OEM and Bank to update the progress - On-site support for VM node OS and hardware - Train bank team for case logging with OEM - Certification for support engineer
Phase – 9	<u>Post deployment task:</u> - Upon successful migration and implementation of all VMs onto the new hardware infrastructure, all legacy/old servers shall be decommissioned and removed. The removal activity shall be carried out post-installation and stabilization of the new systems, as per the schedule and instructions provided by the Bank. - The vendor shall provide the necessary technical and operational support for the decommissioning, dismantling, and removal of the old servers on an as-requested basis by the Bank. This support shall include coordination, safe handling, and adherence to the Bank's policies and regulatory requirements during the removal process.

7 Evaluation Process for Selection of successful Bidder, Terms & Conditions

The objective of evaluation methodology is to facilitate the selection of the technically superior solution at optimal cost. Bidder evaluation and selection would be done based on a comprehensive Techno Commercial Evaluation.

- The Bank has adopted a two (2) bid processes in which the Bidder has to submit following

bids in separate envelopes at the time of submission of bids as stipulated in this document.

- Technical Bid

b) Commercial Bids

2. The Bank shall evaluate first the 'Minimum Eligibility/ Pre-Qualification Criteria' and based on its evaluation, 'Technical Bids' shall be undertaken for evaluation at the second stage. 'Commercial bids' shall be opened for only the shortlisted bidders out of technical evaluation. The final selection will be done based on Techno-commercial evaluation.
3. Evaluation criteria proposed to be adopted will be Quality cum Cost Based System (QCBS) where Technical Bid Score will get a weightage of 70% and Commercial Bid Score a weightage of 30%.
4. The evaluation by the Bank will be undertaken by a committee of officials or/and representatives formed by the Bank and its decision will be final.

7.1 Evaluation of Technical Bids

- i. Minimum Eligibility Criteria bids received from the Bidder will be opened in the presence of representatives of the bidders who choose to be present as per the schedule stipulated by MSC BANK. A detailed analysis will be subsequently carried out by MSC BANK. Based on responses to 'Minimum Eligibility Criteria', Bidder will be short listed for technical evaluation further. Proposals, which are not meeting the Minimum Eligibility Criteria, will not be considered further for technical evaluation.
- ii. The Parameters of the Technical evaluation are provided in Technical Bid Format. **(Section 7.2).**
- iii. The technical bid will be analyzed and evaluated, based on which the Technical Score (TS) shall be assigned to each bid. The mark distribution criteria of the technical evaluation are as follows:

7.2 Technical Bids (Mark Distributions)

Sr. No	Evaluation Criteria	Max Marks	Marks to be awarded
A	Experience in implementation of Data center products	10	
I	Less than 7 Years		3
ii	For 7 years to 9 years		5
iii	For 9 years to 10 years		7
iv	For more than 10 years		10
B	Order for Supply, Installation, Configuration, Implementation and Migration of Lenovo Server's with Nutanix For Data Center & Disaster Recovery Site for last 5 years	10	
	up to 3 order (Purchase orders)		5
	4 to 6 order (Purchase orders)		7
	High value order from banking domain above 50 cr		10
C	Organization related (Average annual turnover (sales) through IT products during last 3 years)	10	
I	Up to Rs. 100 Cr.		3

ii	Rs. 100 Cr. To Rs. 250 Cr.		5
iii	Above Rs. 250 Cr.		10
D	Project completion certificate 4 marks per client	20	
E	Presentation of the Proposed Solution	50	
	1) Company Profile		5
	2) Implementation Strategy & methodology		10
	3) Capability showcase for implementation of complex / heterogenous infrastructure environment (Lenovo infrastructure with Nutanix & OLVM Hypervisor, hyperconverged infrastructure, IBM Power System (P-series) virtualization and Hybrid DC-DR automation solution for enterprise applications.)		15
	4) Project plan Implementation Strategy & methodology.		5
	5) Support Post sales Support		5
	6) Certification of technology (5 marks each)		10
	Grand Total	100	

7.3 Instruction to Bidders

The technical specifications / compliance for the tender are given in **(Section 7.2)**. Bidder shall mention the availability of each feature/functionality in the proposed solution:

- Bidders are required to indicate how their feature/functionality mentioned, thereby justifying their score for the respective functionality.
- Bank may at its sole discretion ask the bidder to justify the score for any of the defined feature/functionality. Score assigned by the bidder might undergo change if the bidder is not able to specify the respective feature/functionality. Any non-compliance/ deviations to functional or technical requirements which defeat the purpose of this initiative of the Bank may lead to disqualification of the bid at sole discretion of the bank.
- Bidders must provide copies of supporting documents against each criterion mentioned above, without which bid may be rejected. Bidders will submit index page of the supporting documents while submitting response.
- The minimum qualification score for the Technical Bid would be 55 (cut-off marks) out of Total 100 marks (Including marks for presentation). The Bank however retains the right to lower the cut off score if adequate number of bids do not qualify with the minimum score specified above.

Note:

- Bidders will be allotted a time slot of 20-mins for presentation and demonstration on the same day. Failure of a bidder to do the Demonstration may result in rejection of the proposal.
- Scoring for Demonstration will be based on the scoring matrix mentioned above.
- Additionally, the bidder may be required to specify various feature and functionalities of the solution as mentioned in the RFP.

7.4 Commercial Bid

1. In this phase, the Commercial Bids of the Bidders, who are found technically qualified in previous phase, will be taken for commercial evaluation.

2. The date for opening of commercial bids will be separately advised.

Final Selection of the Eligible Bidder, The scores will be calculated for all bidders who have satisfied the bid eligibility criteria.

Final Score = 30 X (Cminimum /Cquoted) + 70 X (Tobtained/Thighest)

Cminimum: Minimum commercial quote

Cquoted: Quoted Price

Tobtained: Technical score obtained

Thighest: Highest technical score

7.5 Final Processing

Proposals would be ranked according to their Final Score arrived at by Combining Technical and Commercial Scores as follows:

Final Score = Technical Score x T + Commercial Score x C

T – Weightage given to the Technical Bid,

C – Weightage given to the Commercial Bid

Weightage for the bids are as follows:

<u>Technical Bid (T)</u>	70%
<u>Commercial Bid (C)</u>	30%
<u>Total Weightage</u>	100%

- The Bank reserves the right to revise the evaluation criteria, methodology, distribution points and weightage; if it finds it necessary to do so.
- Bank reserves the right to determine selection process. The Bank in its best interest also reserves the right to reject/modify the proposed product/solution even after short listing.

A. Statutory Requirements and Right of inspection.

The Contract will be executed by abiding laws and the directives, instructions, guidelines issued by the Regulators and competent authority from time to time. During the tenure

of the Contract nothing shall be done by the Bidder in contravention of any law, act and/or rules/regulations, there under or any amendment thereof governing inter-alia customs, foreign exchange, etc., and shall keep the MSC BANK indemnified in this regard.

B. RESPONSIBILITIES OF SELECTED BIDDER:

1. The Bidder shall undertake and complete the project as per the given Project Plan.
2. The Bidder must provide details of the installation, migration, configuration, support and maintenance to be given to the Bank.
3. The Bidder shall maintain the infrastructure provided by the Bank for the implementation and operation of the project and allied services.
4. Bidders support to Bank during the project cycle of 7 years for for Upgradation of Existing Nutanix Infrastructure For Data center & Disaster Recovery Site.
5. It is totally Bidder & OEM's responsibility to install & migration of configuration server.
6. The selected Bidder shall carry out site inspection prior to delivery and installation of the items and inform Bank on site readiness pre-requisites.
7. The Bidder shall deliver the hardware items complying with prescribed technical specifications along with necessary accessories, licenses and management software/ tool for status reporting and management of respective items.
8. The bidder shall rack mount, install and configure and integrate the items and resolve issues, if any, with Bank's existing network viz. LAN/WAN/SAN etc.
9. In case of Servers, Bidder shall:
 - Upgrade latest firmware.
 - install Operating System with latest service packs/ patches and monitoring tools supplied with the servers.
 - Create disk volumes/ partitions as per Bank's requirement.
 - Create partitions (virtual server) as per Bank's requirement.
 - Install latest version of Oracle Software & database as decided by Bank
 - Help the Bank in resolving any device Drivers/ OS related issued encountered while deploying Oracle Database or any other software/ application by the Bank.
10. In case of External Tape Drive, Bidder shall:
 - Upgrade latest firmware.
 - Configure the Tape Drive so that it has seamless communication with the Operating system for Backup and restore optimum throughput.
 - Resolve compatibility and connectivity issues, if any, of External Tape Drive with proposed Nutanix Hypervisor & Lenovo Server being procured in this RFP.

11. Submission of Installation Certificate as per format prescribed in tender, duly signed by the MSC bank officials.
12. Post installation, bidder should submit Configuration Document to Bank.
13. Training & Knowledge Transfer:
 - The selected Bidder will ensure knowledge transfer to the Bank at every stage of the project to enable the Bank to carry out the work as specified in this RFP in future after completion of this assignment.
 - The bidder will be required to demonstrate features / functionalities and administration of the commissioned hardware / software to the Bank.
 - The bidder will prepare and submit necessary architecture, installation and configuration documents.

C. RESPONSIBILITIES OF THE BANK:

- 1) The Bank shall provide space / infrastructure, related equipment and components etc. On day to day basis the officials of the Bank shall assist engineers deputed by the Bidder for the job in their capacity.
- 2) The Bank will provide the updated data for Server from time to time.

D. SCHEDULE OF PAYMENT :

The generic payment schedule with the finalized Bidder shall be as follows:

1. **60%** of the order value will be paid on Delivery of the For Supply of Nutanix Hypervisor & Lenovo Server for Data center & Disaster Recovery Site along with Operating System licenses and hypervisor licenses and execution of Service Level Agreement (SLA).
2. **30%** of the order value will be paid on completing successful installation and commissioning and acceptance of equipment's ordered. The MSC Bank will make this payment against the acceptance of the installations.
3. **10%** will be paid against a performance bank guarantee (as per the format prescribed by the MSC Bank) for the Nutanix Hypervisor & Lenovo Server value, valid for seven years warranty period. **(Annexure J)**

OR

10% of the total order value shall be paid upon submission of a **FIXED DEPOSIT for 7 years**.

The Bank will hold the fixed deposit as security against PBG. Bidder need to submit the duly discharge FDISASTER RECOVERY along with signature and seal. The Bank will place a lien

4. Bank reserves the rights to withheld payment if the Bidder fails to comply with the tender terms & conditions & adhere to the time line mentioned in the appropriate chapter of the tender document.

The rates quoted shall remain firm throughout the period of contract and this contract will remain valid up to the date of completion of the job by the Bidder and shall not be subject to any upward modification whatsoever.

The applicable taxes should be mentioned separately and shall have to be included separately in the invoices by the selected Bidder.

G. PERFORMANCE GUARANTEE:

the order value, for a period of 7 years in favor of MSC Bank, from a scheduled commercial bank acceptable to MSC Bank towards due performance of the contract in accordance with the specifications and conditions of the bid document mentioned in paragraph C.(3) above.

H. PENALTIES:

Bidder must repair any equipment that is reported to be down within next 24 Hrs. from the time of reporting. In case Bidder fails to meet the above standards of maintenance, there will be a penalty as specified in the table as under:

Sr. No.	Name of Component	Amount in Rs.
1	Hardware (Server, Storage)	5,000/-
2	Software Licenses (OS, Nutanix Prism, O any addition required)	5,000/-
3	Implementation	5,000/-

The original machine should replace the temporary substitute machine or equipment duly repaired within a week's time, failing which the above penalty will be imposed for the number of days exceeding one week.

I. INSURANCE:

The Bank will not pay for any insurance charges against loss or damage of whatsoever nature in respect of Devices, employee of the Bidder or third-party contract working for the Bidder. The Bidder shall be responsible for the same and expectation of providing required insurance is necessity whenever and wherever required.

J. FORCE MAJEURE DURING THE PENDENCY:

Force Majeure is herein defined as any cause, which is beyond the control of the selected Bidder or MSC Bank as the case may be which they 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:

1. Natural phenomenon, including but not limited to floods, Droughts, earthquakes and epidemics
2. Acts of any government, including but not limited to war, declared or undeclared priorities, quarantines and embargos
3. Terrorist attack, public unrest in work area

Provided either party shall within 10 days from occurrence of such a cause, notify the other in writing of such causes. The Bidder or MSC Bank shall not be liable for delay in performing his/her obligations resulting from any force majeure cause as referred to and/or defined above. Any delay beyond 30 days shall lead to termination of contract by parties and all obligations expressed quantitatively shall be calculated as on date of termination. Notwithstanding this, provisions relating to indemnity, confidentiality and dispute resolution mechanism survive termination of the contract.

K. CONFIDENTIALITY

Bidder agrees that they shall hold in trust any Information received by them, under the Contract/Agreement, and the strictest of confidence shall be maintained in respect of such Information. Bidder also agrees:

1. To maintain and use the Information only for the purposes of the Contract/ Agreement and only as permitted by MSC Bank;
2. To only make copies as specifically authorized by the prior written consent of MSC Bank and with the same confidential or proprietary notices as may be printed or displayed on the original;
3. To restrict access and disclosure of Information to such of their employees, agents, strictly on a "need to know" basis, to maintain confidentiality of the Information disclosed to them in accordance with this Clause
4. To treat all Information as confidential.

Confidential Information does not include information which:

1. Bidder knew or had in its possession, prior to disclosure, without limitation on its confidentiality;
2. Is independently developed by the Bidder without breach of the Contract/Agreement
3. Information in the public domain as a matter of law;
4. Is received from a third party not subject to the obligation of confidentiality with respect to such information;
5. Is released from confidentiality with the written consent of the MSC Bank.

Bidder shall have the burden of proving that Clauses (1) or (2) above are applicable to the information in the possession of the Bidder. Notwithstanding the foregoing, the Bidder acknowledges that the nature of the Service(s) to be performed under the Contract/Agreement may require the Bidder's personnel to be present on premises of MSC Bank /Purchaser or may require the Bidder's personnel to have access to computer networks of MSC Bank while on or off premises of MSC Bank. It is understood that it would be impractical for MSC Bank to monitor all information made available to the Bidder under such circumstances and to provide notice to the Bidder of the confidentiality of all such information. Therefore, the Bidder agrees that any technical or business or other information of the Bidder that the Bidder's personnel, or agents acquire while on the MSC Bank 's premises, or through access to MSC Bank 's computer systems or databases while on or off MSC Bank 's premises, shall be deemed Confidential Information. Confidential Information shall at all times remain the sole and exclusive property of MSC Bank. Upon termination of the Contract /Agreement, Confidential Information shall be returned to MSC Bank or destroyed, if incapable of return. The destruction shall be witnessed and so recorded, in writing, by an authorized representative of each of MSC Bank and the Bidder. Nothing contained herein shall in any manner impair rights of MSC

In the event that MSC Bank hereto becomes legally compelled to disclose any Confidential Information, the Bidder shall disclose to a third party any Confidential Information without the prior written consent of MSC Bank. The obligations of this Clause shall be satisfied by handling Confidential Information with the same degree of care, which the receiving Party applies to its own similar confidential information but in no event less than reasonable care.

The Successful Bidder shall treat all documents, information, data and communication of and with Purchaser as privileged and confidential and shall be bound by the terms and conditions of the Non-Disclosure Agreement mention in Annexure – I. The Successful Bidder shall execute Non-Disclosure Agreement simultaneously at the time of execution of this Contract. The Successful Bidder shall not, without Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, sample or information or data or drawings / designs furnished by or on behalf of Purchaser in connection therewith, to any person other than a person employed by the Bidder in the performance of the Contract. Disclosure to any such employed person shall be made in utmost confidence and shall extend only so far as may be necessary and relevant for purpose of such performance and shall be subject to the terms and conditions of the Non-Disclosure Agreement. The Bidder shall not, make use of any document, data or information etc., enumerated in this Bid Documents save and except for due performance and observance of the Contract. Any document, enumerated in this Bid Documents shall remain the property of Purchaser and shall be returned (in all copies) to Purchaser on completion of the Bidder's performance under and in accordance with the Contract, if so required by Purchaser. The winner of this BID shall sign the Non-Disclosure Agreement at the time of execution and shall treat all information of the Purchase order including BOM, design, services, commercial value and terms as confidential and shall not share with any 3rd party including OEM and shall not use as ref for any other tenders in future.

The Bank shall be entitled to terminate the agreement with the Bidder at any time by giving 30 days (Thirty days) written notice in advance to the Bidder.

a. Bidder agrees that it shall not be relived of its obligations under the reverse

transition mechanism notwithstanding the termination of the assignment

- b. Bidder agrees that after completion of the term or upon earlier termination of the assignment the Bidder shall, if required by the bank continue to provide maintenance services to the Bank at no less favorable terms than those contained in this tender

N. Ownership and Retention of Documents

- a. MSC Bank shall own the documents, prepared by or for the Bidder arising out of or in connection with the Contract.
- b. Forthwith upon expiry or earlier termination of the Contract and at any other time on demand by MSC Bank, the Bidder/ shall deliver to MSC Bank all documents provided by or originating from MSC Bank / Purchaser and all documents produced by or from or for the Bidder in the course of performing the Service(s), unless otherwise directed in writing by MSC Bank at no additional cost.
- c. Bidder shall not, without the prior written consent of MSC Bank / Purchaser store, copy, distribute or retain any such Documents. Bidder shall preserve all documents provided by or originating from MSC Bank /Purchaser and all documents produced by or from or for the Bidder in the course of performing the Service(s) in accordance with the legal, statutory, regulatory obligations of MSC Bank / Purchaser in this regard.

O. ARBITRATION

All disputes, differences, claims and demands arising under or pursuant to or touching the contract shall be referred to the sole arbitrator to be appointed by the bank. The award of the sole arbitrator shall be final and binding on both the parties under the provisions of the

Arbitration and Conciliation Act or by statutory modification/re-enactment thereof for the time being in force. Such arbitration shall be held at Bank's head office located in Mumbai in Maharashtra state.

P. JURISDICTION OF COURTS

Bidder will abide by all applicable Indian laws and regulations and will obtain (or demonstrate current possession of) any and all permits, licenses, certifications or other approvals that may be required and/ or appropriate for performing services hereunder. The laws of India will govern any agreement resulting from this tender. In all matters and disputes arising there under, the appropriate Courts at Mumbai in Maharashtra state only shall have the jurisdiction to entertain and try them.

Q. REPRESENTATIONS AND WARRANTIES

In order to induce MSC Bank to enter into the Contract, Bidder hereby represents and warrants as of the date hereof, which representations and

warranties shall survive the term and termination hereof, the following:

1. That the Bidder/ has the requisite qualifications, skills, experience and expertise in providing Service(s) contemplated hereunder to third parties, the technical know-how and the financial wherewithal, the power and the authority to enter into the Contract and provide the Service(s) sought by MSC Bank / Purchaser.
2. That the Bidder is not involved in any major litigation, potential, threatened and existing, that may have an impact of affecting or compromising the performance and delivery of Service(s) under the Contract/Agreement.
3. That the representations made by the Bidder in its bid are and shall continue to remain true and fulfill all the requirements as are necessary for executing the duties, obligations and responsibilities as laid down in the Contract/Agreement and the Bid Documents and unless MSC Bank / Purchaser specifies to the contrary, the Bidder shall be bound by all the terms of the bid.
4. That the Bidder has the professional skills, personnel and resources/ authorizations that are necessary for providing all such Services as are necessary to perform its obligations under the bid and this Contract/Agreement.
5. That the Bidder shall ensure that all assets including but not limited to software, licenses, Databases, documents, etc. developed, procured, deployed and created during the term of the Contract are duly maintained and suitably updated, upgraded, replaced with regard to contemporary and statutory requirements.
6. That the Bidder shall use such assets of MSC Bank as the Bank may permit for the sole purpose of execution of its obligations under the terms of the bid, Tender or the Contract. The Bidder shall however, have no claim to any right, title, lien or other interest in any such property, and any possession of property for any duration whatsoever shall not create any right in equity or otherwise, merely by fact of such use or possession during or after the term hereof.
7. That the Bidder shall procure all the necessary permissions and adequate approvals and licenses for use of various software, for Nutanix Hypervisor, OLVM & Lenovo Server to be supplied and any copyrighted process/product free from all time claims, titles, interests and liens thereon and shall keep MSC Bank indemnified in relation thereto.
8. That all the representations and warranties as have been made by the Bidder with respect to its bid are true and correct, and shall continue to remain true and Applicable only in case Bidder is a Bidder within the meaning of Companies Act, 1956 correct through the term of the Contract.
9. That the execution of the Service(s) herein is and shall be in accordance and in compliance with all applicable laws.

10. That the Bidder has the corporate power to execute, deliver and perform the terms and provisions of the Contract and has taken all necessary corporate action to authorize the execution, delivery and performance by it of the Contract.
11. That all conditions precedent under the Contract has been complied.
12. That neither the execution and delivery by the Bidder of the Contract nor the Bidder's compliance with or performance of the terms and provisions of the Contract (i) will contravene any provision of any applicable law or any order, writ, injunction or decree of any court or governmental authority binding on the Bidder or (ii) will conflict or be inconsistent with or result in any breach of any or the terms, covenants, conditions or provisions of, or constitute a default under any agreement, contract or instrument to which the Bidder is a party or by which it or any of its property or assets is bound or to which it may be subject or (iii) will violate any provision of the Memorandum and Articles of Association of the Bidder.
13. That all registrations, recordings, filings and notarizations of the Contract and all payments of any tax or duty, including without limitation stamp duty, registration charges or similar amounts which are required to be affected or made by the Bidder which is necessary to ensure the legality, validity, enforceability or admissibility in evidence of the Contract have been made.
14. That the Bidder confirms that there has not and shall not occur any execution, amendment or modification of any agreement/contract without the prior written consent of MSC Bank, which may directly or indirectly have a bearing on the Contract or Service(s).
15. That the Bidder owns, has license to use or otherwise has the right to use all Intellectual Property Rights, which are required or desirable for the Service(s) and the Bidder does not, in carrying on its business and operations, infringe any Intellectual Property Rights of any person. None of the Intellectual Property or Intellectual Property Rights owned or enjoyed by the Bidder or which the Bidder is licensed to use, which are material in the context of the Bidder's business and operations are being infringed nor, so far as the Bidder is aware, is there any infringement or threatened infringement of those Intellectual Property or Intellectual Property Rights licensed or provided to the Bidder by any person.
16. All Intellectual Property Rights (owned by the Bidder or which the Bidder is licensed to use) are valid and subsisting. All actions (including registration, payment of all registration and renewal fees) required to maintain the same in full force and effect have been taken thereon and shall keep MSC Bank /Purchaser, its directors, officers, employees, agents, representatives and consultants indemnified in relation thereto.

R. CANCELLATION OF THE CONTRACT & COMPENSATION

MSC Bank reserves the right to cancel the contract placed on the selected Bidder and recover expenditure incurred by MSC Bank under the following circumstances: -

1. Bidder commits a breach of any of the terms and conditions of the bid.
2. Bidder goes into liquidation, voluntarily or otherwise.
3. An attachment is levied or continues to be levied for a period of seven days upon effects of the bid.
4. The progress regarding execution of the order accepted, made by the selected Bidder is found to be unsatisfactory.
5. If deductions on account of liquidated damages exceeds more than 5% of the total contract price.
6. If uptime is less than 98 % during warranty of Server.
7. In case the selected Bidder fails to deliver the quantity as stipulated in the delivery schedule of 6 weeks, MSC Bank reserves the right to procure the same or similar product from alternate sources at the risk, cost and responsibility of the selected Bidder.
8. After the award of the contract, if the selected Bidder does not perform satisfactorily or delays execution of the contract, MSC Bank reserves the right to get the balance contract executed by another party of its choice by giving one month's notice for the same. In this event, the selected Bidder is bound to make good the additional expenditure, which MSC Bank may have to incur in executing the balance contract. This clause is applicable even if for any reason, the contract is cancelled.
9. MSC Bank reserves the right to recover any dues payable by the selected Bidder from any amount outstanding to the credit of the selected Bidder, including the pending bills and/or invoking the bank guarantee under this contract.

S. LIQUIDATED DAMAGES

Notwithstanding MSC Bank's right to cancel the order, liquidated damages at 0.5% of the system value per site per week will be charged for every week's delay in the execution of the purchase order beyond the specified delivery/installation schedule subject to a maximum of 5% of the value of the systems ordered. MSC Bank reserves its right to recover these amounts by any mode such as adjusting from any payments to be made by MSC Bank to the Bidder. Liquidated damages will be calculated per week on per site basis.

Annexure – A
Offer Covering Letter

To,

Maharashtra State Co-operative Bank Ltd (MSC BANK)
Sir Vithaldas Thackersey Smruti Bhavan,
9 Maharashtra Chamber of Commerce Lane, Fort Mumbai

400001. Dear Sir,

Sub: For Upgradation of Existing Nutanix Infrastructure For Data center & Disaster Recovery Site.

We have examined the Tender and we offer to for “Upgradation of Existing Nutanix Infrastructure For Data center & Disaster Recovery Site also help in migration of existing Oracle Database to OLVM based Server platform for Data Center (DC), Disaster Recovery (DR) Site and Development Environment and incorporate with backup solution of the Bank. as per the terms and conditions and technical specifications spelt out, and in accordance with the schedule of prices indicated in the commercial bid and made part of this offer/bid.

We agree to abide by this offer till expiry of the period of validity of our offer and our offer shall remain binding upon us and may be accepted by MSC BANK any time before the expiry of that period.

We agree to abide by providing **warranty for Seven years** from the date of Installation.

Until a formal contract is prepared and executed, this offer, together with MSC BANK’s written acceptance thereof and MSC BANK’s notification of award shall constitute a final, conclusive and binding contract between us.

We also certify that the information/data/particulars furnished in our bid are factually correct. We also accept that in the event of any information/data/particulars proving to be incorrect, MSC BANK will have the right to disqualify us from the bid.

We understand that MSC BANK may reject any or all of the offers without assigning any reason whatsoever. Any decision of MSC BANK in this regard shall be final, conclusive and binding on us.

The above arrangement is binding on our successors and assigns. We agree not to assign these provisions / presents without prior written approval of MSC BANK.

Yours faithfully,

(Name and Designation)

For and on behalf of _____

Pl. furnish the corporate authorization on letterhead.

Annexure – B**Technical Bid**

Note: This bill of material must be attached in Technical Offer/Technical Bid as well as Commercial Offer/Commercial bid. The format will be identical for both technical and commercial offers/bids, except that **the technical offer should not contain any price information**. Technical offers/bids without the detail (including make, model and detail technical specs) bill of material will be liable for rejection forthwith.

Bidder must take care in filling price information in the commercial offer/commercial bid, to ensure that there are no typographical or arithmetic errors. All fields must be filled up correctly.

1. Hardware (Server & Storage)

Sr No.	Location & Qty	Specs		Compliance (Yes/No)
1	Data Centre - Quantaty-5	Form Factor/Height	2U rack server Nutanix Certified - upgrade to existing Nutanix cluster	
2		Compliance	Offered server should be certified for Nutanix Software and bundled with AHV image.	
3		Processors	Server to be configured with latest intel CPU with 32 cores - 2.3 Ghz CPU x 2	
4		Memory	Server to offer with GB DDR4 6400 MHz memory Server should support up to 1 TB Memory scalable to 2 TB with same DIMM.	
5		Expansion Slots	Server should support Up to 3x PCIe 3.0 via multiple riser options and 6 PCIe slots	
6		Drive Bays	Server should have 8x3.5" SAS/SATA+4x 3.5" and support hybrid configuration	
7		HBA/RAID Support	Server should support at least 2 x 3.84 NVMe as cache and 12 TB SATA drives x 4 per node.	
8		Security and Availability Features	TPM 1.2/2.0; PFA; hot-swap/redundant drives, fans, and PSUs; Six hot-swap dual-rotor system fans with N+1 redundancy; light path diagnostic LEDs; front-access diagnostics via dedicated USB port	

9	Network Interface	2 x 10G Dual Port 10G/25G with 25G transceivers per node	
10	Boot drives	Server should support boot drives of 960GB M.2 NVMe x along with raid controller.	
11	Power	Offered server should be Energy Star 3.0 compliant. Server should be configured with 2x hot swap/redundant: 2000W Titanium Power Supply	
12	Monitoring & Management	Server should have emended management solution with management software from the same OEM and management via dedicated 1G port. Management solution shall support centralized management and deployment. Offered solution shall be capable of monitoring the server storage network platform of the OEM from a single window Management system shall provide Proactive Platform Alerts (including PFA and SMART alerts) for processors, voltage regulators, memory, internal storage (SAS/SATA HDDs and SSDs, NVMe SSDs, M.2 storage, flash storage adapters), fans, power supplies, RAID controllers and support Continuously monitors system parameters, triggers alerts, and performs recovery actions in case of failure to minimize downtime . The offered solution should have call to home functionality to raise service ticket automatically	
13	Warranty	7-year Onsite support with defective media retention and 4 Hours response. Customer will retain the defective media	
14	Deployment	OEM Supported Nutanix deployment.	
15	OEM Eligibility	All the parts in the server shall have the OEM part code, same shall be part of technical bid	
16	Hypervisor Support	Should support latest Nutanix AHV	
17	Cluster Support	Should be part of existing cluster of HX 5520/ HX 1120	

18		Operating System	Windows 2025 Datacentre licenses & Red hat Enterprise Linux Unlimited VM with OEM support for 5 years to be bundled with hardware	
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Sr No.	Location & Qty	Specs		Compliance (Yes/No)
1	Disaster Recovery -Quantity- 3	Form Factor/Height	2U rack server Nutanix Certified -upgrade to existing Nutanix cluster	
2		Compliance	Offered server should be certified for Nutanix Software and bundled with AHV image.	
3		Processors	Server to be configured with latest intel CPU with 32 cores - 2.3 Ghz CPU x 2	
4		Memory	Server to offer with GB DDR4 6400 MHz memory Server should support upto 1 TB Memory scalable to 2 TB with same DIMM.	
5		Expansion Slots	Server should support Up to 3x PCIe 3.0 via multiple riser options and 6 PCIe slots	
6		Drive Bays	Server should have 8x3.5" SAS/SATA+4x 3.5" and support hybrid configuration	
7		HBA/RAID Support	Server should support atleast 2 x 3.84 NVMe as cache and 12 TB SATA drives x 4 per node.	
8		Security and Availability Features	TPM 1.2/2.0; PFA; hot-swap/redundant drives, fans, and PSUs;Six hot-swap dual-rotor system fans with N+1 redundancy ; light path diagnostic LEDs; front-access diagnostics via dedicated USB port	
9		Network Interface	2 x 10G Dual Port 10G/25G with 25G transceivers per node	
10		Boot drives	Server should support boot drives of 960GB M.2 NVMe x along with raid controller.	
11		Power	Offered server should be Energy Star 3.0 compliant.Server should be configured with 2x hot swap/redundant: 2000W Titanium Power Supply	

12	Monitoring & Management	Server should have emnedded management solution with management software from the same OEM and management via dedicated 1G port. Management sooulution shall support centralized management and deployment. Offered solution shall be capable of monitoring the server storage network platfrom of the OEM from a single window Management system shall provide Proactive Platform Alerts (including PFA and SMART alerts) for processors, voltage regulators, memory, internal storage (SAS/SATA HDDs and SSDs, NVMe SSDs, M.2 storage, flash storage adapters), fans, power supplies, RAID controllers and support Continuously monitors system parameters, triggers alerts, and performs recovery actions in case of failure to minimize downtime . The offered solution should have call to home functionality to raise service ticket automatically	
13	Warranty	7-year Onsite support with defective media retention and 4 Hours response. Customer will retain the defective media	
14	Deployment	OEM Supported Nutanix deployment.	
15	OEM Eligibility	All the parts in the server shall have the OEM part code, same shall be part of technical bid	
16	Hypervisor Support	Should support latest Nutanix AHV	
17	Cluster Support	Should be part of existing cluster of HX 5520/ HX 1120	
18	Operating System	Windows 2025 Datacenter licenses & Redhat Enterprise Linux Unlimited VM with OEM support for 5 years to be bundled with hardware	

Sr No.	Location & Qty	Specs for Database Nodes		Compliance (Yes/No)
1	Data Centre - Quantity-2 and Disaster Recovery -Quantity- 2	Form Factor/Height	2U rack server	
2		Compliance	Offered server should be certified to support Oracle database	
3		Processors	Server to be configured with latest intel CPU with 16 cores - 2.3 Ghz CPU x 2	
4		Memory	Server to offer with GB DDR4 6400 MHz memory Server should support upto 512 GB Memory scalable to 2 TB with same DIMM.	
5		Expansion Slots	Server should support Up to 3x PCIe 3.0 via multiple riser options and 6 PCIe slots	
6		Drive Bays	Server should have 24 x 2.5" chassis	
7		Boot drives	Server should support boot drives of 480GB NVMe x 2 with raid controller	
8		Security and	TPM 1.2/2.0; PFA; hot-swap/redundant drives, fans, and PSUs; Six hot-swap dual-rotor system fans with N+1 redundancy ; light path diagnostic LEDs; front-access diagnostics via dedicated USB port	
9		Availability Features		
10		Network Interface	2 x 10G Dual Port 10G/25G per server with 25G transceivers	
11		Host Bus Adapter	2 x 32G Dual Ports per server	
12		Power	Offered server should be Energy Star 3.0 compliant. Server should be configured with 2x hot swap/redundant: 800W Platinum Power supply	

13	Monitoring & Management	Server should have emnedded management solution with management software from the same OEM and management via dedicated 1G port. Management sooulution shall support centralized management and deployment. Offered solution shall be capable of monitoring the server storage network platfrom of the OEM from a single window Management system shall provide Proactive Platform Alerts (including PFA and SMART alerts) for processors, voltage regulators, memory, internal storage (SAS/SATA HDDs and SSDs, NVMe SSDs, M.2 storage, flash storage adapters), fans, power supplies, RAID controllers and support Continuously monitors system parameters, triggers alerts, and performs recovery actions in case of failure to minimize downtime . The offered solution should have call to home functionality to raise service ticket automatically	
14	Warranty	7-year Onsite support with defective media retention and 4 Hours response. Customer will retain the defective media	
15	OEM Eligibility	All the parts in the server shall have the OEM part code, same shall be part of technical bid	
16	Hypervisor	Should support latest Oracle Linux	
17	Operating System	Windows 2025 Datacenter licenses to be bundled with hardware	

Sr No.	Location & Qty	Specs for Additional Nodes		Compliance (Yes/No)
1	Data Centre - Quantity-2 and Disaster Recovery -Quantity- 2	Form Factor/Height	1U rack server	
2		Processors	Server to be configured with latest intel CPU with 16 cores - 2.3 Ghz CPU x 1	
3		Memory	Server to offer with GB DDR4 6400 MHz memory Server should support upto 64 GB Memory scalable to 2 TB with same DIMM.	
4		Expansion Slots	Server should support Up to 3x PCIe 3.0 via multiple riser options and 6 PCIe slots	
5		Drive Bays	Server should have 24 x 2.5" chassis	
6		Boot drives	Server should support boot drives of 480GB NVMe x 2 with raid controller	
7		Security and	TPM 1.2/2.0; PFA; hot-swap/redundant drives, fans, and PSUs; Six hot-swap dual-rotor system fans with N+1 redundancy ; light path diagnostic LEDs; front-access diagnostics via dedicated USB port	
8		Availability Features		
9		Network Interface	2 x 10G Dual Port 10G Ethernet card	
10		Power	Offered server should be Energy Star 3.0 compliant. Server should be configured with 2x hot swap/redundant: 800W Platinum Power supply	

11	Monitoring & Management	Server should have emnedded management solution with management software from the same OEM and management via dedicated 1G port. Management sooulution shall support centralized management and deployment. Offered solution shall be capable of monitoring the server storage network platfrom of the OEM from a single window Management system shall provide Proactive Platform Alerts (including PFA and SMART alerts) for processors, voltage regulators, memory, internal storage (SAS/SATA HDDs and SSDs, NVMe SSDs, M.2 storage, flash storage adapters), fans, power supplies, RAID controllers and support Continuously monitors system parameters, triggers alerts, and performs recovery actions in case of failure to minimize downtime . The offered solution should have call to home functionality to raise service ticket automatically	
12	Warranty	7-year Onsite support with defective media retention and 4 Hours response. Customer will retain the defective media	
13	OEM Eligibility	All the parts in the server shall have the OEM part code, same shall be part of technical bid	
14	Operating System	Windows 2025 Datacenter licenses to be bundled with hardware	

2. Software Licenses.

SL. No	Technical Specification for Cloud and Virtualization Solution along with Software Defined Storage	Compliance (Yes/No)
1	Proposed solution must be present in the Leader's Quadrant of latest released Gartner's Magic Quadrant for HCIs.	
2	The proposed Cloud/HCI solution should be fully software defined and should not leverage any specialized (proprietary) hardware for providing data services such as de-duplication and compression. HCI solution should utilize HDD/SSD/NVMe drives of underneath node based on latest x86 server to create storage pool and should not rely on separate Storage only nodes to create storage pool.	
3	The proposed solution should independently scale storage and compute Nodes as and when needed without any downtime. Proposed Cloud/HCI should support storage expansion either scaling out or scaling up storage space in the HCI Cluster.	
4	The proposed solution must allow the mixing of different CPU families within a cluster, to allow for continual replacement of old hardware by "rolling forward" the cluster over time. This feature should not downgrade new generation processor to match the existing processor in terms of speed GHz.	
5	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 and Hybrid Nodes in Single Cluster.	
6	The Proposed solution must support Data compression, de-duplication & Erasure coding natively and licenses for this feature should be factored in the bill of material.	
7	The Proposed solution 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.	

8	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.	
9	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.	
10	Must support Instant space optimized point- intime Snapshots. Should support unlimited snapshots	
11	The proposed solution must support the automated rolling upgrades of hypervisor, storage software, and firmware with no VM or storage down time without requiring the VMs to be relocated to other cluster or storage platform to accomplish these non- disruptive upgrades, all from a single GUI interface	
12	The solution design should have features like zero data loss and near zero downtime in case of disk, host, network, rack and site failure.	
13	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	
14	The solution should be able to work on latest x86 server hardware available from all the leading vendors in the industry and should not be restricted to a particular vendor/make/model	
15	All servers in the Cloud/HCI cluster must contribute Compute & Storage. Cloud/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.	
16	The proposed solution should independently scale storage and compute Nodes as and when needed without any downtime. Proposed Cloud/HCI should support storage	
17	The proposed solution should able to configure Active Data stored on SSD and Non-Active Data should be stored on HDD (SAS, if provided), there should be redundant cache drive per disk group proposed.	

18	The solution should be scalable supporting heterogeneous hardware across servers, storage and networks	
19	The solution must be capable of offering Hypervisor capabilities as a standalone feature and must be capable of registering VM images migrated from industry leading Hypervisors / Cloud providers	
20	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	
21	The solution shall provide the ability to add Memory, CPU, storage disks and NICs (provided the same is supported by the guest operating system) without the need to reboot the workload	
22	The solution shall provide a tool based physical/Virtual- to- virtual conversion to migrate existing physical workloads to the virtual platform with minimal disruption	
23	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.	
24	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	
25	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.	
26	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	
27	The solution should be capable of auto scaling virtual machines in terms of RAM and CPU automatically without reboot	
28	The solution shall be capable of offering templates/views of OS images and bundle of packages and VMs images	

29	The solution shall be capable of offering templates/views of OS images and bundle of packages and VMs images	
30	Proposed solution should support synchronous and asynchronous, local and remote replication to any x86 platforms as long as HCI SW is same	
31	The ability to carry simultaneous out bi- directional replication between two data centres.	
32	The ability to replicate bi-directional data center deployment of more than 2 DC's	
33	The solution must allow the option to test DR failover to separate network with no impact to production workloads	
34	The solution should have feature to assist in failback process to Primary datacentre	
35	The solution shall provide visibility of network traffic between the Apps/VMs	
36	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	
37	The solution should have built-in user-level controls and administrator logs for transparency and audit control.	
38	The solution shall provide ready integration with the proposed platform to automate delivery of networking & security services such as switching, routing and firewalling	
39	The solution should have the ability for On-demand network creation and can define routed, NAT or Private network profiles based on application topology	
40	The solution should integrate with industry-leading Solutions for antivirus, malware, intrusion prevention, and next-gen security services.	
41	The solution should offer comprehensive flow assessment and analytics and security groups and firewall rules suggestion for the purpose of implementing a zero-trust security within the data-center	
42	The solution should provide a single unified management console for end-to-end management of the entire environment.	

43	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.	
44	The proposed solution must be managed through an HTMLS web based console that provides a single pane of glass view for the entire environment	
45	Proposed solution should be configured in the proposed Servers and with min XXTB (usable) of all NVMe Storage after RF2/FTT1 and should tolerate 1 Node Failure. However, the usable storage capacity should be calculated without considering compression and deduplication factor and after 1 Node Failure Should have redundant Boot drives and cache drives per disk group.	
46	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.	
47	Proposed Solution should come with a single proactive incident reporting and alerting which covers both Hardware components and full Software stack.	
48	Proactive Maintenance feature should automatically have the ability to alert all hardware and hypervisor related alerts to the 24 x 7 Call centre of the DC	
49	The solution should be able to monitor key performance characteristics of the virtual resource (OS, RDBMS, Memory, Storage, Network etc.)	
50	The 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 RFP specific warranty period.	
51	Solution, License, Support and Warranty all should be comprehensive and onsite for 7 Years	

Oracle Linux Virtualization Manager (OLVM) 4.5 - Technical Specifications
for Oracle DB Workloads

Sr. No.	Area	Priority	Technical Specification	Compliance (Yes/No)
01	Platform baseline	Must	Solution shall be based on Oracle Linux Virtualization Manager (OLVM) 4.5 or the officially supported 4.5.x maintenance line for hosting Oracle Database workloads.	
02	Hypervisor	Must	The hypervisor layer shall be KVM-based and operate on x86-64 servers with hardware virtualization support enabled.	
03	Management plane	Must	Central web-based management shall be provided for clusters, hosts, VMs, templates, storage, and networks.	
04	API and automation	Must	Platform shall expose REST API and command-line tooling for lifecycle automation, audit, and integration.	
05	Identity integration	Must	Role-based access control shall support integration with enterprise directory services such as LDAP/Active Directory.	
06	Cluster scalability	Must	Solution shall support multiple hosts per cluster and scale-out expansion without rearchitecting the platform.	
07	Availability	Must	Virtual machines shall support automatic restart on host failure using OLVM cluster HA capabilities.	
08	Live migration	Must	Running Oracle DB VMs shall support live migration between hosts in the same cluster with minimal service interruption.	
09	CPU optimization	Must	Platform shall support vCPU pinning, CPU affinity, and reservation to protect database workloads from noisy neighbors. And be License compliant	
10	NUMA and memory	Must	Platform shall support NUMA-aware placement and large memory VM configurations suitable for Oracle Database consolidation.	
11	Storage domains	Must	Platform shall support enterprise shared storage domains such as NFS, iSCSI, and Fibre Channel, as applicable to the bidder design.	

12	Storage resiliency	Must	Storage access shall support multipathing and path failover for shared storage backends.	
13	Networking	Must	Virtual networking shall support VLAN tagging, bonded uplinks, isolated networks, and segregated management / storage / migration traffic.	
14	Security	Must	Communications shall use TLS, administrative access shall be role controlled, and audit logging shall record administrative actions.	
15	VM lifecycle	Must	Platform shall support templates, clones, snapshots, and controlled VM power operations for standardized DB deployments.	
16	Guest performance	Must	Guest configuration shall support VirtIO-based devices and tuning for Oracle Linux guest performance.	
17	Monitoring and alerting	Must	Solution shall provide host and VM monitoring, threshold-based alerts, and capacity trend visibility.	
18	Lifecycle management	Must	Patch and upgrade processes shall support controlled maintenance of the OLVM environment with documented rollback / recovery steps.	
19	Backup integration	Should	The platform should integrate with enterprise backup tooling for Oracle Database VM backup at the guest or application layer.	

Technical Bill of Material

Data Centre Solution Configuration Nutanix 5 nodes		
Part number	Product Description	Qty
7DG4CTO2WW	Server : ThinkAgile HX650 V4 Storage	5
C6TP	ThinkAgile HX650 V4 Storage Base	5
BVGL	Data Center Environment 30 Degree Celsius / 86 Degree Fahrenheit	5
B15S	Nutanix SW Stack on Nutanix AHV	5
B0W2	7 Years	5
BM84	ThinkAgile HX Remote Deployment	5
BN9V	None	5
C5QT	Intel Xeon 6530P 32C 225W 2.3GHz Processor	10
C3QR	ThinkSystem 2U V4 Performance Heatsink	10
C0TQ	ThinkSystem 64GB TruDDR5 6400MHz (2Rx4) RDIMM	80
BM50	ThinkSystem 440-16i SAS/SATA PCIe Gen4 12Gb HBA	5
B0SV	Nutanix Hybrid Node Config	5
C9ZX	ThinkSystem 3.5" U.3 7500 PRO 3.84TB Read Intensive NVMe PCIe 4.0 x4 HS SSD	10
C4DA	ThinkSystem 3.5" 12TB 7.2K SAS 12Gb Hot Swap 512e HDD v2	20
C3RV	ThinkSystem 2U V4 8x3.5" SAS/SATA+4x 3.5" AnyBay Backplane	5
CC7G	ThinkSystem M.2 RAID B550i-2i SATA/NVMe Enablement Kit	5
C287	ThinkSystem M.2 VA 960GB Read Intensive NVMe NHS SSD	10
BN2T	ThinkSystem Broadcom 57414 10/25GbE SFP28 2-Port OCP Ethernet Adapter	10
AV1B	Lenovo Dual Rate 10G/25G SR SFP28 Transceiver	20
C62D	ThinkSystem SR650/a V4 x16 Rear Direct Riser Slot 5	5
C0U3	ThinkSystem 2000W 230V Titanium CRPS Premium Hot-Swap Power Supply	10
CC6S	2.8m, 10A/100-250V, C13 to C14 Jumper Cord (India)	10
C3RD	ThinkSystem 2U 6056 20K Performance Fan Module	30
C2DJ	ThinkSystem Advanced Toolless Slide Rail Kit V4	5
BQQ2	ThinkSystem 2U V3 EIA Latch Standard	5
BPKR	TPM 2.0	5
5977	Select Storage devices - no configured RAID required	5
B7Y0	Enable IPMI-over-LAN	5
C3K9	XClarity Platinum Upgrade v3	5
C4S2	ThinkSystem SR650 V4 Processor Board	5
CB2P	SR650 V4 Laser service indicator	5
B0ML	Feature Enable TPM on MB	5
B6C1	Node Cores	320
B6C2	Node Tebibytes	35
9220	Preload by Hardware Feature Specify	5
AVJ3	ThinkSystem 1x1 3.5" HDD Filler	30
C3RM	ThinkSystem 2U Air duct Filler for 1P	10

AURS	Lenovo ThinkSystem Memory Dummy	80
BSJ8	ThinkAgile EIA Plate logo Label	5
C7Y8	ThinkSystem SR650 V4 System I/O Board	5
C26Y	ThinkSystem V4 CPU HS Clip	10
C3S5	ThinkSystem 2U V4 3FH Riser Cage	5
ASFE	Notice for Advanced Format 512e Hard Disk Drives	5
C67S	ThinkAgile HX650 V4 Storage - Nutanix IP	5
B0SQ	HX Badge 1	5
C67P	ThinkAgile HX650 V4 Storage – 12	5
C3RN	ThinkSystem 2U Main Air Duct	5
C1QN	Warranty Services Upgrade	5
C3RJ	ThinkSystem 2U 2LP Riser Cage Filler	10
BHSS	MI for PXE with RJ45 Network port	5
C3RH	ThinkSystem 2U 3FH Riser Cage Filler	5
C4SH	HV 2U V4 General WW L1 PKG BOM	5
ATSB	Nutanix Solution Code MFG Instruction	5
BENN	HX First Power-On Label	5
C3SC	ThinkSystem SR650 V4 2U PLV sponge Kit (Fan Cage)	5
C1XW	ThinkSystem G4 SAS Cable, SLX8-SLX4, 900mm	5
C1XV	ThinkSystem G4 SAS Cable, SLX8-SLX4 x2, 900mm/1020mm	5
C71U	Think System, PCIe Gen5 Cable, MCIOx8-MCIOx8, 250 mm	10
C3QW	ThinkSystem M.2 Signal & Power Cable ,ULP 82P-SLX4/2X10 SB, 400/400mm	5
C3R5	ThinkSystem Power Cable, 2x6+12 P-2x6+12 P, 280 mm	5
BZ7F	ThinkSystem WW Lenovo LPK, Birch Stream	5
BE0E	N+N Redundancy With Over-Subscription	5
BK15	High voltage (200V+)	5
BTTY	M.2 NVMe	5
C706	ThinkAgile SR650 V4 Service Label – WW	5
C89N	ThinkAgile SR650 V4 Agency Label – Blank	5
AWF9	ThinkSystem Response time Service Label LI	5
B91P	ThinkSystem 2U MS 12x3.5" 8SAS/SATA+4AnyBay HDD label	5
C20U	ThinkSystem 2000W TT power rating label WW	5
B97B	XCC Label	5
AXKW	Package Label for India (MRP Label)	5
AUTQ	ThinkSystem small Lenovo Label for 24x2.5"/12x3.5"/10x2.5"	5
7S0XCTO6WW	XClarity One	5
SCJE	XClarity One - Standard, Per Endpoint w/5 Yr SW S&S	5
7S0XCTO8WW	XClarity Controller Prem-FOD	5
SCY0	Lenovo XClarity XCC3 premier – FOD	5
5MS7B00045	ThinkAgile HX Remote Deployment (up to 3 node cluster)	1
5MS7B00046	ThinkAgile HX Remote Deployment (additional node)	2
7Q13CTOYWW	SW DEFINED INSTALLATION	5
QAPA	HX650 V4 Storage	5
QA1T	Hardware Installation (Business Hours)	5
7Q04CTS4WW	SW DEFINED PREMIER 24X7 4HR RESP	5

QAPA	HX650 V4 Storage	5
QA0Y	Months	300
QA12	24x7 4hr Resp	5
QA18	Premier	5
7Q04CTSAWW	SW DEFINED KEEP YOUR DRIVE ADD-ON	5
QAK6	KYD	5
QAPA	HX650 V4 Storage	5
QA0Y	Months	300

Disaster Recovery Solution Configuration Nutanix 3 nodes		
Part number	Product Description	Qty
7DG4CTO2WW	Server : ThinkAgile HX650 V4 Storage	3
C6TP	ThinkAgile HX650 V4 Storage Base	3
BVGL	Data Center Environment 30 Degree Celsius / 86 Degree Fahrenheit	3
B15S	Nutanix SW Stack on Nutanix AHV	3
B0W2	7 Years	3
BM84	ThinkAgile HX Remote Deployment	3
BN9V	None	3
C5QT	Intel Xeon 6530P 32C 225W 2.3GHz Processor	6
C3QR	ThinkSystem 2U V4 Performance Heatsink	6
C0TQ	ThinkSystem 64GB TruDDR5 6400MHz (2Rx4) RDIMM	48
BM50	ThinkSystem 440-16i SAS/SATA PCIe Gen4 12Gb HBA	3
B0SV	Nutanix Hybrid Node Config	3
C9ZX	ThinkSystem 3.5" U.3 7500 PRO 3.84TB Read Intensive NVMe PCIe 4.0 x4 HS SSD	6
C4DA	ThinkSystem 3.5" 12TB 7.2K SAS 12Gb Hot Swap 512e HDD v2	12
C3RV	ThinkSystem 2U V4 8x3.5" SAS/SATA+4x 3.5" AnyBay Backplane	3
CC7G	ThinkSystem M.2 RAID B550i-2i SATA/NVMe Enablement Kit	3
C287	ThinkSystem M.2 VA 960GB Read Intensive NVMe NHS SSD	6
BN2T	ThinkSystem Broadcom 57414 10/25GbE SFP28 2-Port OCP Ethernet Adapter	6
AV1B	Lenovo Dual Rate 10G/25G SR SFP28 Transceiver	12
C62D	ThinkSystem SR650/a V4 x16 Rear Direct Riser Slot 5	3
C0U3	ThinkSystem 2000W 230V Titanium CRPS Premium Hot-Swap Power Supply	6
CC6S	2.8m, 10A/100-250V, C13 to C14 Jumper Cord (India)	6
C3RD	ThinkSystem 2U 6056 20K Performance Fan Module	18
C2DJ	ThinkSystem Advanced Toolless Slide Rail Kit V4	3
BQQ2	ThinkSystem 2U V3 EIA Latch Standard	3
BPKR	TPM 2.0	3
5977	Select Storage devices - no configured RAID required	3
B7Y0	Enable IPMI-over-LAN	3
C3K9	XClarity Platinum Upgrade v3	3
C4S2	ThinkSystem SR650 V4 Processor Board	3

CB2P	SR650 V4 Laser service indicator	3
B0ML	Feature Enable TPM on MB	3
B6C1	Node Cores	192
B6C2	Node Tebibytes	21
9220	Preload by Hardware Feature Specify	3
AVJ3	ThinkSystem 1x1 3.5" HDD Filler	18
C3RM	ThinkSystem 2U Air duct Filler for 1P	6
AURS	Lenovo ThinkSystem Memory Dummy	48
BSJ8	ThinkAgile EIA Plate logo Label	3
C7Y8	ThinkSystem SR650 V4 System I/O Board	3
C26Y	ThinkSystem V4 CPU HS Clip	6
C3S5	ThinkSystem 2U V4 3FH Riser Cage	3
ASFE	Notice for Advanced Format 512e Hard Disk Drives	3
C67S	ThinkAgile HX650 V4 Storage - Nutanix IP	3
B0SQ	HX Badge 1	3
C67P	ThinkAgile HX650 V4 Storage - 12	3
C3RN	ThinkSystem 2U Main Air Duct	3
C1QN	Warranty Services Upgrade	3
C3RJ	ThinkSystem 2U 2LP Riser Cage Filler	6
BHSS	MI for PXE with RJ45 Network port	3
C3RH	ThinkSystem 2U 3FH Riser Cage Filler	3
C4SH	HV 2U V4 General WW L1 PKG BOM	3
ATSB	Nutanix Solution Code MFG Instruction	3
BENN	HX First Power-On Label	3
C3SC	ThinkSystem SR650 V4 2U PLV sponge Kit (Fan Cage)	3
C1XW	ThinkSystem G4 SAS Cable, SLX8-SLX4, 900mm	3
C1XV	ThinkSystem G4 SAS Cable, SLX8-SLX4 x2, 900mm/1020mm	3
C71U	Think System,PCIe Gen5 Cable, MCIOx8-MCIOx8, 250 mm	6
C3QW	ThinkSystem M.2 Signal & Power Cable ,ULP 82P-SLX4/2X10 SB, 400/400mm	3
C3R5	ThinkSystem Power Cable, 2x6+12 P-2x6+12 P, 280 mm	3
BZ7F	ThinkSystem WW Lenovo LPK, Birch Stream	3
BE0E	N+N Redundancy With Over-Subscription	3
BK15	High voltage (200V+)	3
BTY	M.2 NVMe	3
C706	ThinkAgile SR650 V4 Service Label - WW	3
C89N	ThinkAgile SR650 V4 Agency Label - Blank	3
AWF9	ThinkSystem Response time Service Label LI	3
B91P	ThinkSystem 2U MS 12x3.5" 8SAS/SATA+4AnyBay HDD label	3
C20U	ThinkSystem 2000W TT power rating label WW	3
B97B	XCC Label	3
AXKW	Package Label for India (MRP Label)	3
AUTQ	ThinkSystem small Lenovo Label for 24x2.5"/12x3.5"/10x2.5"	3
7S0XCTO6WW	XClarity One	3
SCJE	XClarity One - Standard, Per Endpoint w/5 Yr SW S&S	3
7S0XCTO8WW	XClarity Controller Prem-FOD	3

SCY0	Lenovo XClarity XCC3 premier - FOD	3
5MS7B00045	ThinkAgile HX Remote Deployment (up to 3 node cluster)	1
7Q13CTOYWW	SW DEFINED INSTALLATION	3
QAPA	HX650 V4 Storage	3
QA1T	Hardware Installation (Business Hours)	3
7Q04CTS4WW	SW DEFINED PREMIER 24X7 4HR RESP	3
QAPA	HX650 V4 Storage	3
QA0Y	Months	180
QA12	24x7 4hr Resp	3
QA18	Premier	3
7Q04CTSAWW	SW DEFINED KEEP YOUR DRIVE ADD-ON	3
QAK6	KYD	3
QAPA	HX650 V4 Storage	3
QA0Y	Months	180

DB Node Data Center & Disaster Recovery Solution Configuration 4 nodes		
Part number	Product Description	Qty
DB Nodes DC		
7DGDCTO1WW	ThinkSystem SR650 V4-3yr Base Warranty	2
C3QK	ThinkSystem SR650 V4 24x2.5" Chassis	2
C3JB	ThinkSystem General Computing - Power Efficiency	2
BVGL	Data Center Environment 30 Degree Celsius / 86 Degree Fahrenheit	2
C5RD	Intel Xeon 6515P 16C 150W 2.3GHz Processor	2
BPDR	ThinkSystem V4 2U Standard Heatsink	2
C0TQ	ThinkSystem 64GB TruDDR5 6400MHz (2Rx4) RDIMM	16
5977	Select Storage devices - no configured RAID required	2
CD0S	ThinkSystem M.2 RAID B550d-2HS SATA/NVMe Enablement Kit - Controller Board	2
C286	ThinkSystem M.2 VA 480GB Read Intensive NVMe NHS SSD	4
BCD4	ThinkSystem Intel E810-DA2 10/25GbE SFP28 2-Port OCP Ethernet Adapter	2
C5FC	ThinkSystem Emulex LPe37102 32Gb 2-port SecureHBA PCIe Fibre Channel Adapter(Generic FW)	2
BCD6	ThinkSystem Intel E810-DA2 10/25GbE SFP28 2-Port PCIe Ethernet Adapter	2
C3R4	ThinkSystem SR650/a V4 x8 Rear Riser Slot 3	2
C62D	ThinkSystem SR650/a V4 x16 Rear Direct Riser Slot 5	2
C0U8	ThinkSystem 800W 230V/115V Platinum CRPS Hot-Swap Power Supply v1.5	4
CC6S	2.8m, 10A/100-250V, C13 to C14 Jumper Cord (India)	4
C3RQ	ThinkSystem 2U 6038 24K Standard Fan Module	10
C2DH	ThinkSystem Toolless Slide Rail Kit V4	2
BQQ2	ThinkSystem 2U V3 EIA Latch Standard	2
BPKQ	TPM 2.0 with Secure Boot	2

B7XZ	Disable IPMI-over-LAN	2
BUT2	Enable System Guard	2
C3K9	XClarity Platinum Upgrade v3	2
C4S2	ThinkSystem SR650 V4 Processor Board	2
CB2P	SR650 V4 Laser service indicator	2
B0ML	Feature Enable TPM on MB	2
AVEN	ThinkSystem 1x1 2.5" HDD Filler	4
B8MT	ThinkSystem 2U MS Fan Dummy	2
C3RM	ThinkSystem 2U Air duct Filler for 1P	2
BEYJ	ThinkSystem MS Height CPU Dummy	2
BPP5	OCP3.0 Filler with screw	2
AVEP	ThinkSystem 4x1 2.5" HDD Filler	2
AVEQ	ThinkSystem 8x1 2.5" HDD Filler	4
BU1E	Top Choice flag	2
C1ZG	ThinkSystem V4 Front Hot Swap M.2 Cage	2
C7Y8	ThinkSystem SR650 V4 System I/O Board	2
C26Y	ThinkSystem V4 CPU HS Clip	2
C3S5	ThinkSystem 2U V4 3FH Riser Cage	2
C1LL	ThinkSystem Rear M.2 HS Tray	4
C3RN	ThinkSystem 2U Main Air Duct	2
C3RJ	ThinkSystem 2U 2LP Riser Cage Filler	4
C3RH	ThinkSystem 2U 3FH Riser Cage Filler	2
C4SH	HV 2U V4 General WW L1 PKG BOM	2
CD0R	ThinkSystem M.2 RAID B550d-2HS SATA/NVMe Enablement Kit - Backplane	2
CCWX	Hot-Swap M.2 Drive Interposer	4
C2RD	ThinkSystem Hot Swap M.2 2280 SSD HeatSink	4
C21C	ThinkSystem M.2 singal Cable, MCIOX4-MCIOX4, 650mm	2
C21B	ThinkSystem M.2 Power Cable, 2x10P 1.0PH-2x10P, 700mm	2
CHBK	ThinkSystem SR650 V4 Agency Label with CCC (800W Platinum)	2
C20N	ThinkSystem 800W power rating label WW (CRPS)	2
C62G	ThinkSystem SR650 V4 Front M.2 (0-1) Label, horizontal	2
AWF9	ThinkSystem Response time Service Label LI	2
C3T9	ThinkSystem SR650 V4 model name Label	2
C3TH	ThinkSystem SR650 V4 Service Label for WW	2
B97B	XCC Label	2
AXKW	Package Label for India (MRP Label)	2
BQPS	ThinkSystem logo Label	2
AUTQ	ThinkSystem small Lenovo Label for 24x2.5"/12x3.5"/10x2.5"	2
BZ7F	ThinkSystem WW Lenovo LPK, Birch Stream	2
BE0F	N+N Redundancy Without Over-Subscription	2
BK15	High voltage (200V+)	2
BTTY	M.2 NVMe	2
CA50	MI-RS03, PCIe10/ PWR10	2
7S0XCTO8WW	XClarity Controller Prem-FOD	2
SCY0	Lenovo XClarity XCC3 premier - FOD	2

5641PX5	XClarity Pro, Per Endpoint w/5 Yr SW S&S	2
3444	Registration only	2
1341	Lenovo XClarity Pro, Per Managed Endpoint w/5 Yr SW S&S	2
7Q01CTS4WW	SERVER PREMIER 24X7 4HR RESP	2
QAJY	SR650 V4	2
QA18	Premier	2
QA0Y	Months	120
QA12	24x7 4hr Resp	2
7Q13CTOSWW	SERVER INSTALLATION	2
QAJY	SR650 V4	2
QA1T	Hardware Installation (Business Hours)	2
DB Nodes DR		
7DGDCTO1WW	ThinkSystem SR650 V4-3yr Base Warranty	2
C3QK	ThinkSystem SR650 V4 24x2.5" Chassis	2
C3JB	ThinkSystem General Computing - Power Efficiency	2
BVGL	Data Center Environment 30 Degree Celsius / 86 Degree Fahrenheit	2
C5RD	Intel Xeon 6515P 16C 150W 2.3GHz Processor	2
BPDR	ThinkSystem V4 2U Standard Heatsink	2
C0TQ	ThinkSystem 64GB TruDDR5 6400MHz (2Rx4) RDIMM	16
5977	Select Storage devices - no configured RAID required	2
CD0S	ThinkSystem M.2 RAID B550d-2HS SATA/NVMe Enablement Kit - Controller Board	2
C286	ThinkSystem M.2 VA 480GB Read Intensive NVMe NHS SSD	4
BCD4	ThinkSystem Intel E810-DA2 10/25GbE SFP28 2-Port OCP Ethernet Adapter	2
C5FC	ThinkSystem Emulex LPe37102 32Gb 2-port SecureHBA PCIe Fibre Channel Adapter(Generic FW)	2
BCD6	ThinkSystem Intel E810-DA2 10/25GbE SFP28 2-Port PCIe Ethernet Adapter	2
C3R4	ThinkSystem SR650/a V4 x8 Rear Riser Slot 3	2
C62D	ThinkSystem SR650/a V4 x16 Rear Direct Riser Slot 5	2
C0U8	ThinkSystem 800W 230V/115V Platinum CRPS Hot-Swap Power Supply v1.5	4
CC6S	2.8m, 10A/100-250V, C13 to C14 Jumper Cord (India)	4
C3RQ	ThinkSystem 2U 6038 24K Standard Fan Module	10
C2DH	ThinkSystem Toolless Slide Rail Kit V4	2
BQQ2	ThinkSystem 2U V3 EIA Latch Standard	2
BPKQ	TPM 2.0 with Secure Boot	2
B7XZ	Disable IPMI-over-LAN	2
BUT2	Enable System Guard	2
C3K9	XClarity Platinum Upgrade v3	2
C4S2	ThinkSystem SR650 V4 Processor Board	2
CB2P	SR650 V4 Laser service indicator	2
B0ML	Feature Enable TPM on MB	2

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AVEN	ThinkSystem 1x1 2.5" HDD Filler	4
B8MT	ThinkSystem 2U MS Fan Dummy	2
C3RM	ThinkSystem 2U Air duct Filler for 1P	2
BEYJ	ThinkSystem MS Height CPU Dummy	2
BPP5	OCP3.0 Filler with screw	2
AVEP	ThinkSystem 4x1 2.5" HDD Filler	2
AVEQ	ThinkSystem 8x1 2.5" HDD Filler	4
BU1E	Top Choice flag	2
C1ZG	ThinkSystem V4 Front Hot Swap M.2 Cage	2
C7Y8	ThinkSystem SR650 V4 System I/O Board	2
C26Y	ThinkSystem V4 CPU HS Clip	2
C3S5	ThinkSystem 2U V4 3FH Riser Cage	2
C1LL	ThinkSystem Rear M.2 HS Tray	4
C3RN	ThinkSystem 2U Main Air Duct	2
C3RJ	ThinkSystem 2U 2LP Riser Cage Filler	4
C3RH	ThinkSystem 2U 3FH Riser Cage Filler	2
C4SH	HV 2U V4 General WW L1 PKG BOM	2
CD0R	ThinkSystem M.2 RAID B550d-2HS SATA/NVMe Enablement Kit - Backplane	2
CCWX	Hot-Swap M.2 Drive Interposer	4
C2RD	ThinkSystem Hot Swap M.2 2280 SSD HeatSink	4
C21C	ThinkSystem M.2 singal Cable, MCIOX4-MCIOX4, 650mm	2
C21B	ThinkSystem M.2 Power Cable, 2x10P 1.0PH-2x10P, 700mm	2
CHBK	ThinkSystem SR650 V4 Agency Label with CCC (800W Platinum)	2
C20N	ThinkSystem 800W power rating label WW (CRPS)	2
C62G	ThinkSystem SR650 V4 Front M.2 (0-1) Label, horizontal	2
AWF9	ThinkSystem Response time Service Label LI	2
C3T9	ThinkSystem SR650 V4 model name Label	2
C3TH	ThinkSystem SR650 V4 Service Label for WW	2
B97B	XCC Label	2
AXKW	Package Label for India (MRP Label)	2
BQPS	ThinkSystem logo Label	2
AUTQ	ThinkSystem small Lenovo Label for 24x2.5"/12x3.5"/10x2.5"	2
BZ7F	ThinkSystem WW Lenovo LPK, Birch Stream	2
BE0F	N+N Redundancy Without Over-Subscription	2
BK15	High voltage (200V+)	2
BTTY	M.2 NVMe	2
CA50	MI-RS03, PCIe10/ PWR10	2
7S0XCT08WW	XClarity Controller Prem-FOD	2
SCY0	Lenovo XClarity XCC3 premier - FOD	2
5641PX5	XClarity Pro, Per Endpoint w/5 Yr SW S&S	2
3444	Registration only	2
1341	Lenovo XClarity Pro, Per Managed Endpoint w/5 Yr SW S&S	2
7Q01CTS4WW	SERVER PREMIER 24X7 4HR RESP	2
QAJY	SR650 V4	2
QA18	Premier	2

QA0Y	Months	120
QA12	24x7 4hr Resp	2
7Q13CTOSWW	SERVER INSTALLATION	2
QAJY	SR650 V4	2
QA1T	Hardware Installation (Business Hours)	2

Additional Node Data Centre & Disaster Recovery Solution Configuration 4 nodes		
Part number	Product Description	Qty
Data Center servers		
7DG9CTO1WW	DC Server : ThinkSystem SR630 V4-3yr Base Warranty	2
C1XE	ThinkSystem 1U V4 10x2.5" Chassis	2
C3JB	ThinkSystem General Computing - Power Efficiency	2
BVGL	Data Center Environment 30 Degree Celsius / 86 Degree Fahrenheit	2
C5RD	Intel Xeon 6515P 16C 150W 2.3GHz Processor	2
BPFK	ThinkSystem SR850 V3/SR630 V3/SR630 V4 Standard Heatsink	2
C0TQ	ThinkSystem 64GB TruDDR5 6400MHz (2Rx4) RDIMM	2
5977	Select Storage devices - no configured RAID required	2
B8NY	ThinkSystem RAID 940-8i 4GB Flash PCIe Gen4 12Gb Adapter	2
C91U	ThinkSystem SR630 V4 2.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD	6
C21T	ThinkSystem 1U V4 8x2.5" SAS/SATA Backplane	2
B5ST	ThinkSystem Broadcom 57416 10GBASE-T 2-port OCP Ethernet Adapter	2
C1YH	ThinkSystem SR630 V4 x16/x16 PCIe Gen5 Cable Riser 1	2
C1Z7	ThinkSystem SR630 V4 Full Height+Low Profile Riser1 Cage	2
C0U8	ThinkSystem 800W 230V/115V Platinum CRPS Hot-Swap Power Supply v1.5	4
CC6S	2.8m, 10A/100-250V, C13 to C14 Jumper Cord (India)	4
C1YS	ThinkSystem 1U V4 Standard Fan Module	6
C1YP	ThinkSystem 1U V4 Standard Media Bay	2
C2DH	ThinkSystem Toolless Slide Rail Kit V4	2
BPKQ	TPM 2.0 with Secure Boot	2
B7XZ	Disable IPMI-over-LAN	2
C21F	ThinkSystem 1U V4 Intrusion Cable	2
BUT2	Enable System Guard	2
BK15	High voltage (200V+)	2
B8KV	ThinkSystem 1U 8x2.5" SAS/SATA HDD Type Label	2
BZ7F	ThinkSystem WW Lenovo LPK, Birch Stream	2
B97B	XCC Label	2
AXKW	Package Label for India (MRP Label)	2
C212	ThinkSystem BHS SR630 V4 1U PCIe number 1-2 and OCP number Label (BF+Rear M.2)	2
C20N	ThinkSystem 800W power rating label WW (CRPS)	2
CHCG	ThinkSystem SR630 V4 Agency Label with CCC (800W Platinum)	2

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C20J	ThinkSystem SR630 V4 Service Label for WW	2
AWF9	ThinkSystem Response time Service Label LI	2
C20D	ThinkSystem SR630 V4 model name Label	2
AUTQ	ThinkSystem small Lenovo Label for 24x2.5"/12x3.5"/10x2.5"	2
BQPS	ThinkSystem logo Label	2
C1XZ	ThinkSystem Power Cable, PIC Power 2x3+6P to PIC Power 2x3+6P, 380mm	2
C1XV	ThinkSystem G4 SAS Cable, SLX8-SLX4 x2, 900mm/1020mm	2
C21G	ThinkSystem Supercap Cable, 1X9 receptacle to 2X4 microfit receptacle, 780mm	2
BE0F	N+N Redundancy Without Over-Subscription	2
CAR5	SR630 V4 Laser service indicator	2
C3NP	ThinkSystem SR630 V4 MI-BF Cbl Riser to P9	2
B0ML	Feature Enable TPM on MB	2
C4DV	ThinkSystem SR630 V4 Processor Board	2
AUNP	ThinkSystem RAID 930/940 SuperCap	2
C3K9	XClarity Platinum Upgrade v3	2
BEYJ	ThinkSystem MS Height CPU Dummy	2
AVEN	ThinkSystem 1x1 2.5" HDD Filler	10
B5X6	ThinkSystem 1U 2x2.5" Fixed Filler	2
BPP5	OCP3.0 Filler with screw	2
C1YY	ThinkSystem 1U V4 Low Profile Riser Cage Filler	2
C1YZ	ThinkSystem 1U V4 Fan filler	2
BU1E	Top Choice flag	2
CA7N	ThinkSystem SR630 V4 System I/O board v2	2
C26Y	ThinkSystem V4 CPU HS Clip	2
BHSS	MI for PXE with RJ45 Network port	2
C5XG	ThinkSystem SR630 V4 General Config PKG AC+CL	2
BK70	ThinkSystem V3 1U Supercap Holder Kit	2
A2HP	Configuration ID 01 test	2
5374CM1	Configuration Instruction	2
B8Q5	ThinkSystem RAID 940-8i 4GB Flash PCIe Gen4 12Gb Adapter Placement	2
A2JX	Controller 01	2
A2HP	Configuration ID 01 test	2
7S0XCTO6WW	XClarity One	2
SF92	XClarity One - Starter, Per Endpoint w/5 Yr SW S&S	2
7S0XCTO8WW	XClarity Controller Prem-FOD	2
SCY0	Lenovo XClarity XCC3 premier - FOD	2
7Q01CTS4WW	SERVER PREMIER 24X7 4HR RESP	2
QAJQ	SR630 V4	2
QA18	Premier	2
QA0Y	Months	120
QA12	24x7 4hr Resp	2
7Q13CTOSWW	SERVER INSTALLATION	2
QAJQ	SR630 V4	2

QA1T	Hardware Installation (Business Hours)	2
7Q01CTSAWW	SERVER KEEP YOUR DRIVE ADD-ON	2
QAJQ	SR630 V4	2
QAK6	KYD	2
QA0Y	Months	120
Disaster Recovery servers		
7DG9CTO1WW	DR Server : ThinkSystem SR630 V4-3yr Base Warranty	2
C1XE	ThinkSystem 1U V4 10x2.5" Chassis	2
C3JB	ThinkSystem General Computing - Power Efficiency	2
BVGL	Data Center Environment 30 Degree Celsius / 86 Degree Fahrenheit	2
C5RD	Intel Xeon 6515P 16C 150W 2.3GHz Processor	2
BPFK	ThinkSystem SR850 V3/SR630 V3/SR630 V4 Standard Heatsink	2
C0TQ	ThinkSystem 64GB TruDDR5 6400MHz (2Rx4) RDIMM	2
5977	Select Storage devices - no configured RAID required	2
B8NY	ThinkSystem RAID 940-8i 4GB Flash PCIe Gen4 12Gb Adapter	2
C91U	ThinkSystem SR630 V4 2.5" 1.2TB 10K SAS 12Gb Hot Swap 512n HDD	6
C21T	ThinkSystem 1U V4 8x2.5" SAS/SATA Backplane	2
B5ST	ThinkSystem Broadcom 57416 10GBASE-T 2-port OCP Ethernet Adapter	2
C1YH	ThinkSystem SR630 V4 x16/x16 PCIe Gen5 Cable Riser 1	2
C1Z7	ThinkSystem SR630 V4 Full Height+Low Profile Riser1 Cage	2
C0U8	ThinkSystem 800W 230V/115V Platinum CRPS Hot-Swap Power Supply v1.5	4
CC6S	2.8m, 10A/100-250V, C13 to C14 Jumper Cord (India)	4
C1YS	ThinkSystem 1U V4 Standard Fan Module	6
C1YP	ThinkSystem 1U V4 Standard Media Bay	2
C2DH	ThinkSystem Toolless Slide Rail Kit V4	2
BPKQ	TPM 2.0 with Secure Boot	2
B7XZ	Disable IPMI-over-LAN	2
C21F	ThinkSystem 1U V4 Intrusion Cable	2
BUT2	Enable System Guard	2
BK15	High voltage (200V+)	2
B8KV	ThinkSystem 1U 8x2.5" SAS/SATA HDD Type Label	2
BZ7F	ThinkSystem WW Lenovo LPK, Birch Stream	2
B97B	XCC Label	2
AXKW	Package Label for India (MRP Label)	2
C212	ThinkSystem BHS SR630 V4 1U PCIe number 1-2 and OCP number Label (BF+Rear M.2)	2
C20N	ThinkSystem 800W power rating label WW (CRPS)	2
CHCG	ThinkSystem SR630 V4 Agency Label with CCC (800W Platinum)	2
C20J	ThinkSystem SR630 V4 Service Label for WW	2
AWF9	ThinkSystem Response time Service Label LI	2
C20D	ThinkSystem SR630 V4 model name Label	2

AUTQ	ThinkSystem small Lenovo Label for 24x2.5"/12x3.5"/10x2.5"	2
BQPS	ThinkSystem logo Label	2
C1XZ	ThinkSystem Power Cable, PIC Power 2x3+6P to PIC Power 2x3+6P, 380mm	2
C1XV	ThinkSystem G4 SAS Cable, SLX8-SLX4 x2, 900mm/1020mm	2
C21G	ThinkSystem Supercap Cable, 1X9 receptacle to 2X4 microfit receptacle, 780mm	2
BE0F	N+N Redundancy Without Over-Subscription	2
CAR5	SR630 V4 Laser service indicator	2
C3NP	ThinkSystem SR630 V4 MI-BF Cbl Riser to P9	2
B0ML	Feature Enable TPM on MB	2
C4DV	ThinkSystem SR630 V4 Processor Board	2
AUNP	ThinkSystem RAID 930/940 SuperCap	2
C3K9	XClarity Platinum Upgrade v3	2
BEYJ	ThinkSystem MS Height CPU Dummy	2
AVEN	ThinkSystem 1x1 2.5" HDD Filler	10
B5X6	ThinkSystem 1U 2x2.5" Fixed Filler	2
BPP5	OCP3.0 Filler with screw	2
C1YY	ThinkSystem 1U V4 Low Profile Riser Cage Filler	2
C1YZ	ThinkSystem 1U V4 Fan filler	2
BU1E	Top Choice flag	2
CA7N	ThinkSystem SR630 V4 System I/O board v2	2
C26Y	ThinkSystem V4 CPU HS Clip	2
BHSS	MI for PXE with RJ45 Network port	2
C5XG	ThinkSystem SR630 V4 General Config PKG AC+CL	2
BK70	ThinkSystem V3 1U Supercap Holder Kit	2
A2HP	Configuration ID 01 test	2
5374CM1	Configuration Instruction	2
B8Q5	ThinkSystem RAID 940-8i 4GB Flash PCIe Gen4 12Gb Adapter Placement	2
A2JX	Controller 01	2
A2HP	Configuration ID 01 test	2
7S0XCTO6WW	XClarity One	2
SF92	XClarity One - Starter, Per Endpoint w/5 Yr SW S&S	2
7S0XCTO8WW	XClarity Controller Prem-FOD	2
SCY0	Lenovo XClarity XCC3 premier - FOD	2
7Q01CTS4WW	SERVER PREMIER 24X7 4HR RESP	2
QAJQ	SR630 V4	2
QA18	Premier	2
QA0Y	Months	120
QA12	24x7 4hr Resp	2
7Q13CTOSWW	SERVER INSTALLATION	2
QAJQ	SR630 V4	2
QA1T	Hardware Installation (Business Hours)	2
7Q01CTSAWW	SERVER KEEP YOUR DRIVE ADD-ON	2
QAJQ	SR630 V4	2

Tender for Upgradation of Nutanix Infrastructure

QAK6	KYD	2
QA0Y	Months	120

Part number	Product Description	Qty
OS License for Data Centre & Disaster Recovery Nutanix Node		
7S0F00W0WW	Red Hat Satellite Unlimited Guests, 2 Skt Subscription w/Lenovo Support 5Yr	8
7S0F00YNWW	RHEL for Virtual Datacenters, 2 Skt Premium Subscription w/Lenovo Support 5Yr	8
7S1S000JWW	Windows Server 2025 Datacenter ROK (16 core) – MultiLang	8
7S1S0034WW	Windows Server 2025 Datacenter Additional License (16 core) (No Media/Key) (Reseller POS Only)	24
OS License for Data Centre & Disaster Recovery DB nodes		
7S1S000JWW	Windows Server 2025 Datacenter ROK (16 core) – MultiLang	4
	Oracle Linux Premier plus (for Virtualisation bundle) 2 X OLPP	2
OS License for Data Centre & Disaster Recovery Add Servers		
	Windows Server 2025 Standard ROK (16 core) - MultiLang	4

Annexure – C**Existing Setup**

Bank have hypervisor of Nutanix deployed over 20 servers in environment of VENDOR and DISASTER RECOVERY. At this setup we have All servers as per use of Application and Database of Oracle. As per licensing polices of Oracle we have created clusters of 3 node each at VENDOR and DISASTER RECOVERY out of these 20 servers and deployed Oracle database server with around 42 licenses for 84 CPU core licenses.

Datacenter Mumbai					
Sr. No	Manufacturer	Model	Physical Location	WARRANTY	End Date
1	Lenovo	HX5520	ESDS, VENDOR at Airoli	Yes	03-05-2027
2	Lenovo	HX5520	ESDS, VENDOR at Airoli	Yes	03-05-2027
3	Lenovo	HX5520	ESDS, VENDOR at Airoli	Yes	03-05-2027
4	Lenovo	HX5520	ESDS, VENDOR at Airoli	Yes	03-05-2027
5	Lenovo	HX5520	ESDS, VENDOR at Airoli	Yes	03-05-2027
6	Lenovo	HX5520	ESDS, VENDOR at Airoli	Yes	03-05-2027
7	Lenovo	HX5520	ESDS, VENDOR at Airoli	Yes	03-05-2027
8	Lenovo	HX1320	ESDS, VENDOR at Airoli	Yes	03-05-2027
9	Lenovo	HX1320	ESDS, VENDOR at Airoli	Yes	03-05-2027
10	Lenovo	HX1320	ESDS, VENDOR at Airoli	Yes	03-05-2027
11	Lenovo	HX1320	ESDS, VENDOR at Airoli	Yes	03-05-2027
12	Lenovo	HX1320	ESDS, VENDOR at Airoli	Yes	03-05-2027
13	Lenovo	HX1320	ESDS, VENDOR at Airoli	Yes	03-05-2027
Disaster Recovery Site					
Sr. No	Manufacturer	Model	Physical Location	WARRANTY	End Date
1	Lenovo	HX5520	ESDS DISASTER RECOVERY at Bangloru	Yes	03-05-2027

2	Lenovo	HX5520	ESDS DISASTER RECOVERY at Bangloru	Yes	03-05-2027
3	Lenovo	HX5520	ESDS DISASTER RECOVERY at Bangloru	Yes	03-05-2027
4	Lenovo	HX5520	ESDS DISASTER RECOVERY at Bangloru	Yes	03-05-2027
5	Lenovo	HX1320	ESDS DISASTER RECOVERY at Bangloru	Yes	03-05-2027
6	Lenovo	HX1320	ESDS DISASTER RECOVERY at Bangloru	Yes	03-05-2027
7	Lenovo	HX1320	ESDS DISASTER RECOVERY at Bangloru	Yes	03-05-2027

Architechure digram:

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Annexure – D
Details of the Bidder

Details filled in this form must be accompanied by sufficient documentary evidence, in order to verify the correctness of the information.

SR. NO	DETAILS OF THE COMPANY	RESPONSE
A	Name of Company	
B	Company Head Office and registered office address	
C	Telephone and Fax numbers	
D	Date of incorporation. Please enclose Company Registration Certificate.	
E	Ownership structure (e.g. Proprietorship, Partnership, Pvt. / Pub Ltd Company)	
F	Company Sales Tax Number, VAT registration number, LBT registration number & Service Tax number. Please enclose supporting document.	
G	Company PAN & TIN number. Please enclose supporting document.	
H	Please enclose financial accounts (Profit and Loss account and Balance sheet for last three financial years).	
I	Quality Certification Please enclose copies of Quality Certificates (ISO 9000/9001 certification) if any.	
J	List of Support Centers with addresses and phone numbers	
K	Total strength of the Company. Bifurcation: • Installation Team • Maintenance Team • Support Team • And Other Teams	

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Annexure – E**Bank Details**

(To be included in Technical Bid Envelope)

1	Name of the Bank	
2	Address of the Bank	
3	Account Type and Number	
4	Contact Person	
5	Telephone No.	
6	Fax No	
7	e-mail	
8	Over Daft/CC/Other fund based Limit	
9	Bank Guarantee Limit	
10	Remarks, if any	

Corporate Authorization details.

Note: This statement has to be duly attested by the banker.

Signature:

Signature:

Name of the Authorized Person:

Name of the Authorized Person:

Designation:

Designation:

Bidder Seal

Banker Seal

All authorizations should be collected

Annexure – F
Format of Power of Attorney for signing of bid

POWER OF ATTORNEY

(On Stamp Paper of relevant value)

Know all men by these presents, we _____ (name of the Bidder / partnership firm and address of the registered office) do hereby appoint and authorize Mr. ____ (full name and residential address) who is presently employed with us and holding the position of _____ as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our proposal For Upgradation of Existing Nutanix Infrastructure For Data center & Disaster Recovery Site in response to the RFP (Request for Proposal) by MSC BANK (hereinafter referred to as MSC BANK), including signing and submission of all documents and providing information/responses to MSC BANK in all matters in connection with our bid / offer.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

Dated this _____ day of _____

_____ 2026 For _____

(Signature)

(Name, Designation and Address)

Accepted _____

(Signature)

(Name, Title and Address of the Attorney)

Date:

Note:

- To be executed by the all members in case of a Consortium.
- The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants and when it is so required the same should be under common seal affixed in accordance with the required procedure.

- c. Also, wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a resolution/power of attorney in favor of the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.
- d. In case the Application is signed by an authorized Director / Partner or Proprietor of the Applicant, a certified copy of the appropriate resolution / document conveying such authority may be enclosed in lieu of the Power of Attorney.



Annexure – G
Undertaking

It is certified that the information furnished here in and as per the document submitted is true and accurate and nothing has been concealed or tampered with. We have gone through all the conditions of bid and are liable to any punitive action for furnishing false information / documents.

It is also certifying that we are not blacklisted by Government department, ministry, agency or any PSU's.

Dated this _____ day of _____ 2026

Signature

(Bidder Seal)

In the capacity of

Duly authorized to sign bids for and on behalf of:

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Annexure – H
Manufacturer Authorization Format

(To be submitted on OEM's letter head for each of the products quoted)

Ref:

Date:

Manager,
IT Department,
Maharashtra State Co-operative Bank Ltd.,
1st Floor, 9, Maharashtra Chamber of Commerce Lane,
Fort, Mumbai
Mumbai - 400 001

Dear Sir,

Manufacturer Authorisation for Request for Proposal RfP No. ITD/ /F- / dated th , 2026 For Upgradation of Existing Nutanix Infrastructure For Data center & Disaster Recovery Site. We <OEM Name> having our registered office at <OEM Address> are an established and reputed manufacturer of <hardware details> do hereby authorise M/s (Name and address of the Partner) to offer their quotation, negotiate and conclude the contract with you against the above invitation for tender offer. We hereby extend our full guarantee and warranty as per terms and conditions of the tender and the contract for the solution, products/equipment and services offered against this invitation for tender offer by the above firm and will extend technical support and updates / upgrades if contracted by the bidder. We also confirm that we will ensure all product upgrades (including management software upgrades and new product feature releases) are provided by M/sfor all the products quoted for and supplied to the bank during the product warranty and AMC period.

<OEM Name>

<Authorised Signatory>

Name: _____

Designation: _____

Name of the Organisation _____

Company Seal:

Note: This letter of authority should be on the letterhead of the OEM and should be signed by a person competent and having the power of attorney to bind the manufacturer. It should be included by the bidder in its bid.

Annexure –I

Non-disclosure Agreement

(ON A NON-JUDICIAL STAMPED PAPER of Rs500/-)

Whereas, we, _____, having registered office at _____, hereinafter referred to as the company, are agreeable to execute “for Upgradation of Existing Nutanix Infrastructure For Data center & Disaster Recovery Site.” as per scope defined in the request for proposal rfp no. itd/ /f- / dated th 2026 for maharashtra state co-operative bank ltd., having its registered office maharashtra chamber of commerce lane, 9, fort, mumbai – 400 001, hereinafter referred to as the bank and, whereas, the company understands that the information regarding the bank’s infrastructure shared by the bank in their request for proposal is confidential and/or proprietary to the bank, and whereas, the company understands that in the course of submission of the offer for the said rfp and/or in the aftermath thereof, it may be necessary that the company may perform certain jobs/duties on the bank’s properties and/or have access to certain plans, documents, approvals, data or information of the bank; now therefore, in consideration of the foregoing, the company agrees to all of the following conditions, in order to induce the bank to grant the company specific access to the bank’s property/information: the company will not publish or disclose to others, nor, use in any services that the company performs for others, any confidential or proprietary information belonging to the bank, unless the company has first obtained the bank’s written authorisation to do so; the company agrees that information and other data shared by the bank or, prepared or produced by the company for the purpose of submitting the offer to the bank in response to the said rfp, will not be disclosed to during or subsequent to submission of the offer to the bank, to anyone outside the bank; the company shall not, without the bank’s written consent, disclose the contents of this request for proposal (bid) or any provision thereof, or any specification, plan, pattern, sample or information (to be) furnished by or on behalf of the bank in connection therewith, to any person(s) other than those employed/engaged by the company for the purpose of submitting the offer to the bank and/or for the performance of the contract in the aftermath. disclosure to any employed/engaged person(s) shall be made in confidence and shall extend only so far as necessary for the purposes of such performance.

Authorised Signatory

Name:

Designation:

Office Seal:

Annexure – J
Performance Bank Guarantee Draft
(On Stamp Paper of Rs.500/- or relevant value)

PERFORMANCE SECURITY:

To,
The Managing Director
Maharashtra State Cooperative Bank Ltd
9, Maharashtra Chambers of Commerce Lane
Fort, Mumbai – 400001

Whereas, _____ having _____ their
registered address as _____
_____ (hereinafter called "the Bidder") has undertaken, in pursuance of contract no. RFP NO.
MSCB/ITD/NUTX/ /2026-27/dtd _____ to For **Upgradation of Existing Nutanix Infrastructure For
Data center & Disaster Recovery Site.** to Maharashtra State Co-operative Bank Ltd (hereinafter called
"the beneficiary") and whereas it has been stipulated by in the said contract that the Bidder shall
furnish you with a bank guarantee by a recognized bank for the sum specified therein as security for
compliance with its obligations in accordance with the contract; And whereas we, _____
_____ A banking company incorporated and having its head /registered office
at _____ have agreed to give the
supplier such a bank guarantee.

Now, therefore, we hereby affirm that we are guarantors and responsible to you, on behalf of the
supplier, up to a total of **Rs. _____/- (Rupees _____)**
_____) and we undertake to pay you, upon your first written demand declaring
the supplier to be in default under the contract and without cavil or argument, any sum or sums within
the limits of **Rs. _____/- (Rupees _____)**
_____ **only**) as aforesaid, without your needing to prove or to show grounds or reasons for your
demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Bidder before presenting us
with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to
be performed there under or of any of the contract documents which may be made between you and
the Bidder shall in any way release us from any liability under this guarantee and we hereby waive
notice of any such change, addition or modification.

This Guarantee shall be valid until _____

Notwithstanding anything contained herein:

- I. Our liability under this bank guarantee shall not exceed as follows:

Sr. No.	Description	Amount
1		Rs. /-

- II. This bank guarantee shall be valid up to_____.
- III. It is condition of our liability for payment of the guaranteed amount or any part thereof arising under this bank guarantee that we receive a valid written claim or demand for payment under this bank guarantee on or before_____, failing which our liability under the guarantee will automatically cease.
- IV. MSC Bank may open any of the above-mentioned bank guarantee based on the specific breach of issue and we shall pay the details on verification of the facts.

Yours Sincerely Authorised Signatory

<Designation of Signatory>

<Name of the Bank>

<Contact Details>

<This letter should be on the letter head of the issuing authority>



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Annexure K
List of Locations

List of location for supply, installation, configuration & implementation of Nutanix Hypervisor & Lenovo Server server for data center & disaster recovery site

Sr. No	Location Name	Hardware	Licence	Address
1	Data Center (Airoli)			ESDS Software Solutions Ltd. 201 & 202, A&B Wing, 2nd Floor, Reliable Tech Park, Central Rd N, Gavate Wadi, Industrial Area, Airoli, Navi Mumbai, Maharashtra 400708
2	DISASTER RECOVERY (Bengaluru)			ESDS Software Solution Ltd. New STPI Building, Cyber Park 1st Floor, Electronic City, Hosur Road, Plot No.76 & 77, Electronic City Phase 1, Bengaluru, Karnataka 560100
	TOTAL			

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Annexure – L
PRO FORMA - COMMERCIAL BID

RATE SCHEDULE FOR

Upgradation of Existing Nutanix Infrastructure For Data center & Disaster Recovery Site.

Bidder should fill the details of products supplied in below format. The servers must be MNC brand only and Bidder should specify the brand quoted.

The List of **NUTANIX & ORACLE LINUX HYPERVISOR, OS & LENOVO SERVER** Required at Data Centre, Mumbai

Loc	Description	Qty	Unit Price	Total Price
DC	HCI Node_2*32C_1024GM RAM_2*3.84TB NVME_4*12TB SATA HDD_4*25G NIC_7 Years Premier 24*7 4HR Resp Warranty + HCI SW License	5		
DR	HCI Node_2*32C_1024GM RAM_2*3.84TB NVME_4*12TB SATA HDD_4*25G NIC_7 Years Premier 24*7 4HR Resp Warranty +HCI SW License	3		
DC	DB Server_1*16C_512GB RAM_2*960GB NVME_2*25G DP NIC_DP 32G FC HBA_7 Years Premier 24*7 4HR Resp Warranty	2		
DR	DB Server_1*16C_512GB RAM_2*480GB NVME_2*25G DP NIC_DP 32G FC HBA_7 Years Premier 24*7 4HR Resp Warranty	2		
DC	ADD on Server_16C_64GB RAM_3*1.2TB SAS HDD_ Raid controller with 4GB Flash_DP 10G Base T Nic_7 Years Premier 24*7 4HR Resp Warranty	2		
DR	ADD on Server_16C_64GB RAM_3*1.2TB SAS HDD_ Raid controller with 4GB Flash_DP 10G Base T Nic_7 Years Premier 24*7 4HR Resp Warranty	2		
	OS License for HCI Nodes			
DC/DR	Red Hat Satellite Unlimited Guests, 2 Skt Subscription with Support 7Yr	8		
DC/DR	RHEL for Virtual Datacenters, 2 Skt Premium Subscription with Support 7Yr	8		
DC/DR	Windows Server 2025 Datacenter (16 core) – MultiLang	8		
DC/DR	Windows Server 2025 Datacenter Additional License (16 core)	24		
DC/DR	(FOR DB Servers) Windows Server 2025 Datacenter (16 core) – MultiLang	4		
DC/DR	(FOR DB Servers) Oracle Linux Premier plus (for	2		

	Virtualisation bundle) 2 X OLPP			
DC/DR	(FOR Add Servers) Windows Server 2025 Standard (16 core) – MultiLang	4		

**** Note: The above Price to be procured are with 7 Yrs Comprehensive & Back to Back OEM warranty & services, Support & Services.**

GST will be on Banks account on actuals. Variation (+/-) in rate of tax if any will be on the Banks accounts.



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ANNEXURE -1
PRE-QUALIFICATION CRITERIA

Sr. No.	Criteria	Documents to be submitted as a proof	Page No. of Response where proof is attached
1	The bidder should be a registered company in India under the Indian companies Act 1956/ companies Act 2013 / Partnership Act and should be in existence for minimum period of two years as on the date of RFP.	Proof, such as Registration/Incorporation Certificate is to be submitted.	
2	The bidder should have a minimum of 5 (Five) years' experience in IT & 4 years in the field of Nutanix Infrastructure Supply, Installation, Migration, Implementation and Support Business & Cyber Security appliances.	Minimum 2 Work order / agreement of the projects to be provided as proof completed in last 5 years.	
3	Must have supplied & implemented minimum 2 orders for Oracle Virtualization or Linux based virtualization in last 5 years.	Minimum 2 Work order / agreement of the projects to be provided as proof completed in last 5 years.	
4	Must have supplied & implemented minimum 3 Nutanix infrastructure in last 5 years. Out of which one order should be from Bank and others could be PSU/NBFC/BFSI/Big corporate or government.	Copy of Work order / The completion certificate of the projects to be provided as proof.	
5	Bidder should have executed minimum one order for Nutanix infrastructure upgrade for Bank and one orders could be PSU/NBFC/BFSI/Big corporate or government in last 5 years.	Copy of Work order / The completion certificate of the projects to be provided as proof.	
6	Bidder should have a fully functional service / support Centre in Mumbai & Bengaluru with minimum 5 qualified certified Technical Support Staff. to provide quality service support	List of centres to be attached These engineers should be on roll or direct contract employees of Bidder and not from any franchisee of the Bidder. Copy of Certificate from Nutanix to be attached	
7	The bidder should have at least one certified Engineer(s) having Certification on OEM technology of each Category of hardware & technology being quoted and Engineer(s)	Details of the engineers along with the copy of certification of engineer	

		to be attached along with the technical bid.	
8	Bidder should have sound financial background and should have been making profits for the last 3 years and total turnover of the firm should be minimum of rupees 100 Crores for each year, during last three financial years.	Chartered Accountant (CA) certificate and Audited Balance Sheet and Profit and Loss for past three years.	
9	The Bidder should have never been blacklisted / barred / disqualified by any regulator / Statutory Body and the bidder/firm is otherwise not involved in any such incident what so ever, where the job undertaken / performed and conducted has been questioned by any authority, which may lead to legal action-	Self-declaration to that effect should be submitted along with the technical bid. On a later date if self-declaration is found to be void it may entail disqualification	
10	The Back to Back OEM warranty & services should be 7 Years	Self-declaration to that effect should be submitted along with the technical bid.	
11	Bidder should have valid ISO Certification-	Valid documents to be submitted	
12	All Annexures mentioned in RFP documents to be uploaded	Annexures to be complied and declaration on letter head to be submitted.	
13	The Bidder should have MAF from OEM In specified format mention in annexure	MAFs from respective OEM(s) in as per format given in Annexure-H covering each category of equipment need to be enclosed.	
14	The Bidder should be authorized partner of OEM and partnership certificate should be Gold, Silver or Platinum.	Partnership certificate to be submitted.	

ANNEXURE -2
TECHNICAL EVALUATION CRITERIA

Sr. No	Evaluation Criteria	Max Marks	Marks to be awarded
A	Experience in implementation of Data center products	10	
I	Less than 7 Years		3
ii	For 7 years to 9 years		5
iii	For 9 years to 10 years		7
iv	For more than 10 years		10
B	Order for Supply, Installation, Configuration, Implementation and Migration of Lenovo Server's with Nutanix For Data Center & Disaster Recovery Site for last 5 years	10	
	up to 3 order (Purchase orders)		5
	4 to 6 order (Purchase orders)		7
	High value order from banking domain above 50 cr		10
C	Organization related (Average annual turnover (sales) through IT products during last 3 years)	10	
I	Up to Rs. 100 Cr.		3
ii	Rs. 100 Cr. To Rs. 250 Cr.		5
iii	Above Rs. 250 Cr.		10
D	project complication certificate 4 marks per client	20	
E	Presentation of the Proposed Solution	50	
	1) Company Profile		5
	2)Implementation Strategy & methodology		10
	3) Capability showcase for implementation of complex / heterogenous infrastructure environment (Lenovo infrastructure with Nutanix & OLVM Hypervisor, hyperconverged infrastructure, IBM Power System (P-series) virtualization and Hybrid DC-DR automation solution for enterprise applications.)		15
	4)Project plan Implementation Strategy & methodology.		5
	5)Support Post sales Support		5
	6)Certification of technology (5 marks each)		10
	Grand Total	100	

** End of Document **