



Central Bank of India

Department of Information Technology

Request for Proposal (Bid) Document

For

**RFP for Expansion of Private Cloud, establishment of Containerization Platform &
GPU Servers on x86 Server Architecture for future Projects**

Bid Number: GEM/2026/B/7118455

16th January 2026

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List of Abbreviations

AMC	Annual Maintenance Contract
APM	Application Performance Management
ATS	Annual Technical Support
BOM	Bill of Material
CBI	Central Bank of India
DB	Database
DC	Data Centre
DRC/ DRS	Disaster Recovery Centre/ Site
EMD	Earnest Money Deposit
EMS	Enterprise Management System/Solution
EPP	End Point Protection
FY	Financial year
GSI	Global system integrator
GST	Goods & Service Tax
HLD	High Level Design Document
IT	Information Technology
ITAM	IT Asset Management
LLD	Low Level Design Document
LLP	Limited Liability Partnership
MAF	Manufacturer Authorization Form
MSME	Micro, Small & Medium Enterprise
NEFT	National Electronic Funds Transfer
NS	Near Site
OEM	Original equipment manufacturer
PBG	Performance Bank Guarantee
PO	Purchase order
PSE	Public Sector Enterprise
PSU	Public Sector Undertaking
RBI	Reserve Bank of India
RFP	Request for Proposal
RTGS	Real Time Gross Settlement
SAN	Storage Area Network
SAS	Serial attached SCSI
SDR	Single Data Repository
SI	System Integrator
SPOC	Single Point of Contact
SSD	Solid state drive

Section-1

Tender Details

1 Invitation for Tender Offers

Central Bank of India, herein after referred to as the “Bank”, is a leading Public Sector Bank established in the year 1911. The equity shares of the Bank are listed in both Bombay Stock Exchange/ National Stock Exchange. The Bank is having its Central Office at Chander Mukhi, Nariman Point, Mumbai– 400021. & it’s Customer Care Department at 2nd floor, MMO Building, Fort, Mumbai 400001. Bank has completed 114 years of its service to the Nation and its millions of satisfied customers with technology oriented bouquet of user friendly services and in the field of IT we are known for providing new innovative and customer friendly services. The Bank has pan India presence through its wide network of more than 4685 plus branches, 13 Zonal Offices, 90 Regional Offices spread across the country as on 31.03.2025. The Bank also has specialized branches for catering to the specific needs of Retail customers, Industrial units, corporate clients, Forex dealers, Exporters and Importers, Small Scale Industries and Agricultural sector.

Bank invites online tender offers (Technical offer and Commercial offer) from eligible, reputed Bidders for expansion of Private Cloud, establishment of Containerization Platform & GPU Servers on x86 Server Architecture for future Projects.

The Contract Period shall be for 5 years from the date of installation / commissioning and acceptance of respective Hardware, Software and services. Bank has the option for extending the AMC/ATS of the in scope components for additional 2 years after expiry of the contract at the same cost of 5th year AMC/ATS of this tender.

Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 60 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that price will be adjusted by the Bank as per change in exchange rate.

The details are given below:

Tender Reference Number	GEM/2026/B/7118455
Date of RFP Issue	16/01/2026
Bid Security (EMD)	₹1,80,00,000/- (Rupees One Crore Eighty Lakh Only) in the form of Bank Guarantee issued by a Scheduled Bank other than Central Bank of India for the entire period of Bid validity (120 days) plus 3 months or by means of Banker’s Cheque / Account Payee Demand Draft /RTGS/NEFT in the account no.- 3287810289 of Central Bank of India (IFSC Code – CBIN0283154) with narration Tender ref no GEM/2026/B/7118455 in favour of “Central Bank Of India” and payable at Mumbai.

e-mail IDs for sending queries and Last Date for submission of queries	cloud_team@centralbank.bank.in smitd@centralbank.bank.in smcbswindows@centralbank.bank.in cmitd@centralbank.bank.in , smitpurchase@centralbank.bank.in latest by 22/01/2026 up to 11:00 hrs. Queries to be submitted with Proof of remittance of document/Tender cost (If required).
Date and time for Pre-Bid Meeting,	22/01/2026 at 15:00hrs.
Last Date and Time submission of Bids Mode of bid submission & online portal's URL	24/02/2026 up to 15:00 hrs. Mode-Online Government e Marketplace (GeM)
Time & Date of Opening of technical bids	24/02/2026 at 15:30 hrs.
Response Types	1. Technical Bid + Bid Security 2. Commercial Bid
Address for Communication	General Manager-IT Central Bank Of India Department Of IT (DIT), Plot no-26, Sector-11, CBD Belapur, Navi Mumbai- 400614 <u>Mail address:</u> cloud_team@centralbank.bank.in smitd@centralbank.bank.in smcbswindows@centralbank.bank.in cmitd@centralbank.bank.in , smitpurchase@centralbank.bank.in
Contact Telephone Numbers	022- 27582301/, 67123669,

The pre bid meeting will be held in person with the bidders. For any clarification with respect to this RFP, the bidder may send their queries/suggestions, valuable inputs by email to the Bank. It may be noted that all queries, clarifications, questions etc., relating to this RFP, technical or otherwise, must be in writing only and should be sent to designated email ID within stipulated time as mentioned in the below format :

S.No.	RFP Page No.	RFP Clause Name & No.	RFP Clause	Bidder's Query/Suggestion/Remarks

Exemption from submission of EMD shall be given to bidders, who are Micro and Small Enterprises (MSE) / Startups. The bidder who are MSE has to submit necessary document issued by NSIC and the bidder who are Startups has to be recognize by Department of Industrial Policy & Promotion (DIPP) to avail the exemption. To qualify for EMD exemption, firms should necessarily enclose a valid copy of registration certificate issued by NSIC/DIPP which

are valid on last date of submission of the tender documents. MSE/Startups firms which are in the process of obtaining NSIC certificate/ DIPP will not be considered for EMD exemption.

Tender offers will normally be opened half an hour after the closing time. Any tender received without Document/Tender Cost (If required), will be disqualified.

Technical Specifications, Terms and Conditions and various format and Performa for submitting the tender offer are described in the tender document and its Annexures.

DISCLAIMER The information contained in this Request for Proposal (RFP) document or information conveyed subsequently to bidder(s) or applicants whether verbally or in documentary form by or on behalf of Central Bank of India (Bank), is provided to the bidder(s) on the terms and conditions set out in this RFP document and all other terms and conditions subject to which such information is provided.

This RFP is neither an agreement nor an offer and is only an invitation by Bank to the interested parties for submission of unconditional bids. The purpose of this RFP is to provide the bidder(s) with information to assist the formulation of their proposals. This RFP does not claim to contain all the information each bidder may require. Each bidder should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this RFP and where necessary obtain independent advice. Bank makes no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RFP. Bank may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this RFP.

2 Eligibility Criteria

The Bidder must fulfil following eligibility criteria:

#	Eligibility of the Bidder and OEM	Documents to be submitted	Compliance (Y/N)
1.	Bidder should be a Registered company under Indian Companies Act. 1956/2013 or LLP/Partnership firm and should have been in existence for a minimum period of 5 years in India, as on date of submission of RFP.	Copy of the Certificate of Incorporation issued by Registrar of Companies/Registrar of firms and full address of the registered office of the bidder	
2.	Bidder should be registered under G.S.T and/or tax registration in state where bidder has a registered office	Proof of registration with GSTIN	
3.	The bidder must have an annual average turnover in India of INR 300 crores in the last three financial years (i.e. 2022-23, 2023-24, 2024-25) as per the audited balance sheet available at the time of submission of tender, of individual company and not as group of companies	Copy of audited Balance Sheet and Certificate of the Chartered Accountant for preceding three FYs.	
4.	The bidder should have made operating profits in at least two financial years out of last three financial years. (i.e. 2022-23, 2023-24, 2024-25)	Copy of audited Balance Sheet and Certificate of the Chartered Accountant for preceding three FYs.	
5.	The bidder should have a positive net worth in last three financial years. (i.e. 2022-23, 2023-24, 2024-25)	Certificate of the Chartered Accountant for preceding three FYs.	
6.	The Bidder should be a certified or an Authorized partner of the OEM of the offered solution 1. Internal Private Cloud Infrastructure x86 Hardware 2. Hypervisor/Virtualisation Software 3. GPU Server Hardware 4. Kubernetes Software	Copy of MAF from OEMs as per format (Annexure 8) to be submitted, and confirmation from OEMs confirming the partnership level of the Bidder	
7.	The Hardware OEMs of x86 and GPU Server should have the following ISO certifications: ISO 9001:2015, ISO 14001:2015 or latest	Copy of Certificates	
8.	The bidder should also have the valid ISO Certification of ISO 9001:2015,	Copy of Certificates	

#	Eligibility of the Bidder and OEM	Documents to be submitted	Compliance (Y/N)
	ISO 27001:2018, ISO 20000-1:2018 or latest		
9.	Bidder should have service/support infrastructure at Mumbai and Hyderabad and should be able to provide efficient and effective support.	Submit the undertaking self-declaration on Bidder's letter head	
10.	<p>Bidder should have experience of having Supplied & implemented the following Components -</p> <ol style="list-style-type: none"> 1. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order, 2. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order 3. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order, <p>in Scheduled Commercial Bank / BFSI /NBFC / PSU in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.</p>	Credential letter from the Scheduled Commercial Bank / BFSI / NBFC / PSU mentioning that the Components are successfully Supplied and implemented in their organization.	
11.	<p>Each proposed OEM product</p> <ol style="list-style-type: none"> 1. Internal Private Cloud Infrastructure using minimum 75 number of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order, 2. Minimum 8 numbers of GPU Servers –in One Purchase Order 3. Kubernetes Software with minimum 300 cores / 12 Processor Socket License in One Purchase Order, <p>should have been successfully implemented in at least one Scheduled Commercial Bank/BFSI /NBFC in India in last 5 years (2021-22, 2022-23, 2023-24, 2024-25, 2025-26).</p>	Credential letter from the Scheduled Commercial Bank / BFSI/NBFC/PSU mentioning that the Components are successfully Supplied and implemented in their organization.	
12.	At the time of bidding, the Bidder should not have been blacklisted / debarred/ by any Govt. /	Submit the undertaking self-declaration on Company's letter head	

#	Eligibility of the Bidder and OEM	Documents to be submitted	Compliance (Y/N)
	IBA/RBI/PSU /PSE/ or Banks, Financial institutes for any reason or non-implementation/ delivery of the order. Self-declaration to that effect should be submitted along with the technical bid.		
13.	At the time of bidding, there should not have been any pending litigation or any legal dispute in the last five years, before any court of law between the Bidder or OEM and the Bank regarding supply of goods/services	Submit the undertaking self-declaration on Company's letter head	
14.	Bidder/OEM should not have - <ul style="list-style-type: none"> • NPA with any Bank /financial institutions in India • Any case pending or otherwise, with any organization across the globe which affects the credibility of the Bidder in the opinion of Central Bank of India to service the needs of the Bank 	Submit self-declaration on Company's letter head.	
15.	If the bidder is from a country which shares a land border with India, the bidder should be registered with the Competent Authority	Certified copy of the registration certificate	
16.	The Bidder or Its Technology Partner should not be owned or controlled by any Director, officer or employee of Central Bank of India or by related party having the same meaning as assigned under section 2(76) of the companies act or relative having same meaning as assigned section 2(77) of companies act 2013 read with rule 4 of the companies (specification of definition details) rules 2014.	Undertaking to be given by the Bidder at time of submission.	

The bidder must submit only such document as evidence of any fact as required herein. The Bank, if required, may call for additional documents during the evaluation process and the bidder will be bound to provide the same.

Central Bank of India reserves the right to verify references provided by the Bidder independently. Any decision of CBI in this regard shall be final, conclusive, and binding up on the bidder. CBI may accept or reject an offer without assigning any reason whatsoever.

- 1) Bidders need to ensure compliance to all the eligibility criteria points.
- 2) In-case of corporate restructuring the earlier entity's incorporation certificate, financial statements, Credentials, etc. may be considered.
- 3) In case of business transfer where Bidder has acquired a Business from an entity ("Seller"), work experience credentials of the Seller in relation to the acquired business may be considered.
- 4) Bidder must provide credential letter or installation sign off document.
- 5) Scheduled Commercial Bank does not include Payments Bank, Cooperative Banks or RRBs.
- 6) While submitting the bid, the Bidder is required to comply with inter alia the following CVC guidelines detailed in Circular No. 03/01/12 (No.12-02-6 CTE/SPI (I) 2 / 161730 dated 13.01.2012): 'Commission has decided that in all cases of procurement, the following guidelines may be followed:
 - i. *In RFP, either the Indian agent on behalf of the Bidder/OEM or Bidder/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same RFP. The reference of 'item/product' in the CVC guidelines refer to 'the final solution that bidders will deliver to the customer.*
 - ii. *If an agent submits bid on behalf of the Bidder /OEM, the same agent shall not submit a bid on behalf of another Bidder /OEM in the same RFP for the same item/product.'*

3 Bid Security (Earnest Money Deposit-EMD)

An amount of ₹1,80,00,000/- (Rupees One Crore Eighty Lakh Only) in the form of Bank Guarantee issued by a scheduled Bank other than Central Bank of India for the entire period of Bid validity plus 3 months or by means of Account Payee Demand Draft/ Banker's cheque /RTGS/NEFT in the account no.-3287810289 of Central Bank of India (IFSC Code – CBIN0283154) with narration Tender ref no **GEM/2026/B/7118455** in favour of "Central Bank Of India" and payable at Mumbai/Navi Mumbai.

The EMD / Bid Security shall be liable to be forfeited:

- 1) If a Bidder withdraws its tender during the period of tender validity specified by the Bidder; or
- 2) If the Bidder does not accept the correction of its Tender Price; or
- 3) If the successful Bidder fails within the specified time to:
 - i. Sign the Contract; or
 - ii. Furnish the required security deposit.
- 4) The EMD / Bid Security of a Joint Venture (JV) must be in the name of the JV that submits the tender. If the JV has not been legally constituted at the time of bidding, the EMD / Bid Security shall be in the names of all future partners as named in the letter of intent.
- 5) The EMD / Bid Security will be refunded to the Successful Bidder, only after furnishing an unconditional and irrevocable Performance Bank Guarantee (PBG).

- 6) The EMD / Bid Security of unsuccessful Bidders shall be returned as promptly as possible after completion of bidding process.

4 Performance Bank Guarantee (PBG)

- 1) As mentioned above, the Successful Bidder will furnish an unconditional and irrevocable Performance Bank Guarantee (PBG) from scheduled commercial Bank other than Central Bank of India, in the format given by the Bank in for Performance Bank Guarantee, for 5 % of the total project cost valid for 66 months, (5 years for total project period plus 6 months for claim period) validity of PBG starting from its date of issuance. The PBG shall be submitted within 21 days of the PO acceptance by the Bidder.
- 2) The PBG so applicable must be duly accompanied by a forwarding letter issued by the issuing Bank on the letterhead of the issuing Bank. Such forwarding letter shall state that the PBG has been signed by the lawfully constituted authority legally competent to sign and execute such legal instruments. The executor (BG issuing Bank Authorities) is required to mention the Power of Attorney number and date of execution in his / her favour with authorization to sign the documents.
- 3) Each page of the PBG must bear the signature and seal of the PBG issuing Bank and PBG number.
- 4) In the event of the Successful Bidder being unable to service the contract for whatever reason, Bank may provide a cure period of 30 days and thereafter invoke the PBG, if the bidder is unable to service the contract for whatever reason.
- 5) In the event of delays by Successful Bidder in ATS support, service beyond the schedules given in the RFP, the Bank may provide a cure period of 30 days and thereafter invoke the PBG, if required.
- 6) Notwithstanding and without prejudice to any rights whatsoever of the Bank under the contract in the matter, the proceeds of the PBG shall be payable to Bank as compensation by the Successful Bidder for its failure to complete its obligations under the contract, indicating the contractual obligation(s) for which the Successful Bidder is in default.
- 7) The Bank shall also be entitled to make recoveries from the Successful Bidder's bills or any other amount due to him, the equivalent value of any payment made to him by the Bank due to inadvertence, error, collusion, misconstruction or misstatement.
- 8) The PBG may be discharged / returned by Bank upon being satisfied that there has been due performance of the obligations of the Successful Bidder under the contract. However, no interest shall be payable on the PBG.

5 Cost of Bidding

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

6 Manufacturer's Authorization Form

Bidders must submit a letter of authority from their manufacturers, as per format given in Annexure, that they have been authorized to quote OEM Product.

Section-2

Scope of Work

7 Scope of Work

7.1 Scope Summary

1. Central Bank of India intends to select a proven & experienced Bidder to Supply, Implement, Configure and Maintenance of Private cloud, GPU Servers & AI Solution and Kubernetes Solution at the Bank's location.
2. Bank envisages new purchase of below components-
 - 1) Internal Private Cloud Infrastructure and software
 - 2) Deployment of GPU Servers
 - 3) Deployment of Containerization Platform

Bidder is required to Supply, Install/Implement, Configure and Maintain the components for the period of contract.

3. Bank expects bidder to Augment, supply, install, implement and provide comprehensive onsite warranty & AMC/ATS support for the proposed hardware and software along with its subcomponents, as mentioned in Annexure 2: Commercial Bill of Materials, for the period of contract. Bidder is, also, required to deliver all hardware, software and its sub-components at Bank's location in-line with delivery schedule and implementation timelines mentioned in Section 8.
4. In-depth scope of work is outlined in Section 7 – “Scope of Work” of this RFP document. Bank seeks comprehensive proposals from the bidders who have capabilities to meet Bank's requirements and have a serious interest in providing the required services. This RFP provides information on Bank, scope of work and instructions for the preparation and submission of the RFP response.
5. Term of the contract shall be for a period of 5 years from the day of installation acceptance of respective hardware, software and services by the Bank. Bank has the option for extending the AMC/ATS of the in scope components for additional 2 year after expiry of the contract at the same cost of 5th year AMC/ATS cost of this tender.
6. Bank reserves the right to issue a repeat order for any of the component or services at the same price subject to a maximum of 25% of ordered Price/Quantity during the Contract period.
7. Bidder shall be responsible for following:
 - Supply of hardware along with associated software, database and any other required application software necessary for implementation, installation, integration and Cabling for both LAN and SAN at the stipulated locations of Bank.
 - End-to-end installation and implementation of hardware, software licenses and Cabling, as mentioned in Annexure 2: Commercial Bill of Materials, at Bank's identified locations including configuration and customization requirement.
 - Integration, if any, with Bank's existing application platforms, server and storage environment, enterprise network, security solutions, ticketing tools etc.
 - Adherence to Service Level Agreements (SLA) as mentioned in this RFP document and periodic monitoring and reporting of the same to Bank.
 - Provision of comprehensive onsite warranty, AMC/ATS post warranty period is over and maintenance of the in-scope components for the tenure of the contract

8. Procurement of the application software and other in-scope components would be at Bank's discretion. Bank is not liable or bound to procure all the solutions mentioned. Bank may ask for staggered delivery of some of the components mentioned in the RFP. Details of the same would be shared with the Successful Bidder at a later stage. Bank may undertake phase wise procurement, supply, installation, and implementations of the solution(s) and its licenses.
9. Bank may procure products with required quantity (not limited to specific number) and may remove any solution at any stage, at its sole discretion, from in-scope proposed solutions that are part of this RFP.
10. Considering the nature of the applications, it may happen that the bidder may propose a solution suite consisting of multiple features, functionalities suiting to the RFP requirements and in compliance of RBI cyber security and Outsourcing Circulars. The bidder shall provide the solutions with all such features (over and above to technical specifications) without any extra cost to the Bank. All the available functionalities should be available to the Bank. The bidders shall include all necessary expenses in complete cost of the respective line items of the solution in Annexure 2: Commercial Bill of Materials. All costs shall be included in the line items only.
11. The bidder shall provide complete services for the applications under the scope including installation, implementation, integration, management, maintenance, support, audit compliance and knowledge transfer.
12. The solution shall include all components and subcomponents like software licenses, accessories, and the bidder should supply other components at no extra cost to the Bank (required for commissioning of the solution as a part of RFP).
13. The bidder shall replace and upgrade the out-of-support, out-of-service, end-of-life (EOL), End of Support (EOS) undersized infrastructure elements as soon as the respective OEM announced the same at no additional cost to the bank throughout the 5 years of contract period. The bidder shall carry out such Replacement & up gradation of components (Appliance & Software) before due date. Failure to replace within three months of intimation by Bank will be treated as violation of SLA, Bank will procure the new solution as same, and cost will be deducted from payables/ payments as penalty or by invoking performance guarantee.
14. During the period of the contract, all upgrades/updates or requirements in hardware, software, licensing, implementation of upgrades/patches/version changes etc., due to whatsoever reason including but not limited to EOL or EOS, shall be done by the bidder within stipulated time but not later than one month without any additional cost to the bank. EOS/EOL solution will not be accepted and if any solution is declared EOS/EOL during the period of contract, the bidder shall do the necessary upgrade to the latest version at no additional cost to the Bank and with minimum downtime, at no additional cost to the Bank.
15. The bidder should inform to the bank if any new version/update/service pack/upgrade of the proposed solution is released by OEM, within seven (7) days of such release and provide the upgraded solution within one month of such release without any cost to the bank covering all parts, labour and accessories at the respective locations (DC and DR) of the Bank during the period of the contract. Bidder has to factor in UAT setup for the inscope applications in the RFP. For the UAT setup bidder has to provide extra licenses over the licenses mentioned in the Bill of Material Annexure -2.

16. The bidder shall follow all respective technical/statutory guidelines, validations should be implemented, checked & verified, and related reports including SOP, Software Integrity Certificate and VAPT Clearance must be submitted, duly certified by OEM to the Bank for sign off the successful installation.
17. Post installation of Solution with its components including OS, VA & PT (Vulnerability Assessment & Penetration Testing) shall be conducted, and Bank Information Security Team will provide a report to the Successful Bidder. All findings/issues pointed out in the report to be complied/fixed before commissioning and sign-off of the software (All components i.e. operating System, Database, application). The InfoSec Team and Other statutory authorities conduct review/ audit of the solutions time to time. All such Audit reports including VAPT Reports to be complied / attended by bidder/OEM within the timelines, during the entire period of contract also conduct periodic review audit of the database and application.
18. The solution deployment should be compliant with Bank's IT Security policy and Cyber policies, internal guidelines, regulatory standards and countrywide regulations and laws from time to time.
19. The proposed Solution should integrate with Bank's platforms like Security Operation Centre (SOC), Preventive Identity Management (PIM), Security Incident Event Management (SIEM) and Security Orchestration, Automation and Response (SOAR) to meet security and compliance requirements as and when required.
20. The bidder must provide detailed architecture of the proposed solution/ every module along with installation and administration guide, which must include high-level design (HLD), and Low Level Design (LLD) along with Technical bid. Architecture Diagram of proposed & implemented solution as actual in the Bank environment.
21. The Proposed solution should be free from any kind of vulnerabilities and as and when vulnerabilities are notified by the auditor, Bank, regulators, Govt. of India or any other Govt. agencies, it should be patched within prescribed time with no cost to bank within the contract period.
22. The bidder shall do regular backup of the solutions as per the defined Bank's backup policy.
23. The Bidder shall be responsible for delivering the solution and its support post implementation. The proposed solutions should be integrated with Banks existing and new Security Solutions. The integration with Bank's existing security solutions will be in the scope of bidder with no extra cost to the Bank. In case, if any OEM can't integrate with a third party monitoring tool for an OEM product, then the bidder needs to bundle OEM tools in his response to the bid. (Performance, Availability, Patching, Monitoring, Dashboard with Graphical representation)
24. Deployment of solution requires coordination with different service provider / project application vendors. The bidder shall coordinate with all solution providers/ vendors while installing and ensure installation and commissioning for running the application.
25. The bidder shall confirm the integrity of the software supplied i.e. the software is free from bugs, malware, covert channels in code etc. and Integrity certificate should be submitted to the bank as per the related format.
26. The Proposed Solution should support all heterogeneous OS, Database, Hypervisor Platforms etc.

27. The proposed solution must have redundancy at all levels e.g. network redundancy (for management network interfaces) and power-supply redundancy at hardware/ software level required to achieve the high availability/ redundancy as per defined SLA/uptime.
28. The critical data / database should be stored in encrypted form
29. Proposed solutions should have very high-scale architecture on a platform that scales efficiently. The solution should also support 64-bit architecture environments for high scalability. Solution should support installation on Windows and various flavours of the Linux environment. Solutions should have extensible architecture for easy integration and automation. Solution installation should support Virtual cloud for easy, deployment and building on premises. Should support multiple-deployment options - centralized, distributed and hybrid deployments with option for a centralized operations console view. The architecture should support High Availability inbuilt into the product.
30. The bidder shall supply all modules, Software Applications with required licenses and do the installation, integration configuration & deployment of the solution at the Bank's DC and DR Site.
31. The Annual Maintenance cost should be minimum 8% per year of the cost of respective Product cost
32. The Annual Technical Support should be minimum 20% per year of the cost of Product/ Service/ License
For example-
 - If the solution cost for a particular item is Rs.100 as quoted for specific solution. In that case, AMC cost of Solution shall be of minimum 8 % of total cost of solution cost for that item i.e. Rs. 8 per year. And AMC cost for two years should be minimum = $8 \times 2 = 16$ % of total solution cost as quoted for respective line items.
 - If the solution cost for a particular item is Rs.100 as quoted for specific solution. In that case, ATS cost of Solution shall be of minimum 20 % of total cost of solution cost for that item i.e. Rs. 20 per year. And ATS cost for four years should be minimum = $20 \times 4 = 80$ % of total solution cost as quoted for respective line items.
33. The bidder has to provide Facility Management services at Central Bank of India DC & DR locations or any other location where centralized operation is proposed in future by deploying the professionals to support 24x7x365 days basis with shift duty hours for managing and maintaining the solution mentioned in this RFP.
34. The bidder would be responsible for updates, patches, bug fixes, version upgrades, and firmware upgrade.
35. Bidder is required to provide details of each individual proposed hardware, application software and other in-scope components along with its associated hardware & software and any other component/service necessary for installation and implementation, as mentioned in Annexure 2: Commercial Bill of Materials
36. All necessary Racks, Power strips, Power cables, Network cables, Fibre cables and any other components required for successful implementation of the solution are to be supplied and commissioned by the Successful Bidder at no additional cost to the Bank.

37. Post implementation of the solutions, the scope of successful bidder contains support for the following activities, but not limited to, from time to time, in relation to maintenance and upgrades/updates/patches:
- Firmware/ IOS Upgrades / up to date patching,
 - Faulty Parts replacement,
 - Hardware System monitoring,
 - Troubleshooting & Performance Tuning,
 - Operating System Upgrades,
 - Upgrades of supplied software,
 - Advisories on software upgrades & vulnerabilities,
 - Support during DR Drills,
 - OS Administration & patching as per OEM guidelines
 - VA / PT Compliance/Audit /Review as per Bank's requirement /Statuary guidelines
 - Any support required to make system & solution up and running as per SLA.
38. The list mentioned above is the indicative list; however, the successful bidder should provide end-to-end support and repair for any activities and resolution of any issues related to new deployment without any extra cost to the Bank.
39. Bidder must give the complete SOP (Standard Operating Procedure) document (Hard Copy & Soft Copy) before the sign off of the complete project as per Bank. SOP document should cover all the steps and troubleshooting required to install the products. SOP document should also include various basic steps to operate the devices, to create any policy/rules, to take backup, to restore, to configure reports etc.

Responsibility matrix for the delivery, implementation and management of the proposed solution at DC, DRC

Sl.No.	Activity	Responsibility	To be performed by	Remarks
1	Delivery of hardware and associated software	Bidder	Bidder	Bidder will deliver the required hardware and associated software
2	Review of High Level and Low-Level Design for all Components	Bidder	OEM	a) Review the identification and formulation strategy to achieve Design Goals b) Review the schema design to achieve Design Goals c) Assess the devised Virtualization plan and strategy to ensure compatibility during migration from old hardware to new hardware d) Review the migration plan from existing to new Private Cloud and Back Up Solution

Sl.No.	Activity	Responsibility	To be performed by	Remarks
				e) A comprehensive report for all above activities should be submitted within one week of the completion of activities
3	Installation, configuration, and operationalization	Bidder	OEM	OEM will do the installation, configuration and operationalization of the supplied hardware and software
4	Review the VM Migration Plan and Backup installation & Configuration and post migration validation	Bidder	OEM & Bidder	a) Assisting in formulating the process documentation for migration
				b) Assist in performing checks to ensure migration success
				c) A comprehensive report for all above activities should be submitted within one week of the completion of activities
5	AMC/ ATS	Bidder	Bidder	1. The bidder needs to provide the necessary AMC and ATS for the tenure of the contract for the proposed solution.
				2. Bidder is required to factor in AMC for 5 years
6	FMS	Bidder	Bidder	FMS for the in scope items will be provided by Bidder during the period of the contract.

7.2 Detailed Scope of Work

This section covers the broad set of requirements for the software licenses and Hardware components to be deployed at the Bank.

7.2.1 Detailed General Scope

Bidder is required to Supply, Install/Implement, configure and maintain the components of Table -1 for the period of contract:

- 1) The implementation shall be done by OEM/OEM Authorised Engineer, the bidder shall do back-to-back agreement with OEM for the same. The bidder shall provide Implementation Plan with Implementation methodology duly signed by OEM and Bidder.
- 2) Bidder is, also, required to carry out activities given in the following table:

Sr. No.	Activity	Remarks
1	Delivery of in-scope Hardware and Software; in at DC and DRC, as per Annexure 2: Commercial Bill of Materials	Bidder has to deliver Hardware and software, at DC and DRC, as per Annexure 2: Commercial Bill of Materials, at Bank's site
2	End-to-end installation and implementation of Hardware and Software at DC and DRC	OEM/OEM Authorized Engineer is required to do end-to-end installation, implementation and configuration of in-scope Hardware and Software. Post end-to-end installation and implementation of software licenses, Bank will conduct acceptance test to verify installation/implementation of Hardware and Software.
3	Provide comprehensive onsite warranty and AMC / ATS support for the tenure of contract	Bidder will be responsible to provide comprehensive on-site warranty and back-to-back support from the OEM to meet the Service Levels defined in this RFP till currency of the Contract. Warranty of Hardware and software will start from the date of installation and commissioning acceptance by Bank. AMC / ATS will start from the date of expiry of warranty period.
4	Migration Services	Bidder/OEM will be responsible to provide migration services as per the scope defined in this RFP.

- 3) Bank's Data Centre (DC) is located in Mumbai and Disaster Recovery Centre (DRC) is in Hyderabad. The bidder shall install the solution On-site at DC and DR and implement the same at all branches/offices of the Bank.
- 4) For in-scope Hardware, software, application software and cabling as mentioned in this RFP document and in Annexure 2: Commercial Bill of Materials, bidder should avoid quoting components going end-of-sale within 24 months of its date of delivery.

- 5) The proposed solutions shall be tightly integrated with all existing setup and new infrastructure /Assets Inventory Software of the Bank. The successful bidder shall supply, implement and maintain these IT Tools/ Solutions for Bank's IT Infrastructure for a period of 5 years.
- 6) Bidder should ensure that proposed hardware and software components should not go end of-life or end-of-support within 7 years of date of delivery of the device/s, the same responsibility shall so survive even after termination or expiry of the contract.
- 7) The delivery plan must be synchronized with the project delivery timelines of Bank. (Refer Section 8 of this document for Project Delivery timelines)
- 8) Bidder is required to provide resources, which may be required for successful completion of the entire assignment within the quoted cost to Bank.
- 9) All in-scope hardware should be provided with 3 years of comprehensive on-site warranty which will start from the date of installation acceptance of the respective hardware/software by Bank. Post warranty period completion, bidder should provide onsite AMC for the period of 2 years. For all the in-scope software, bidder should provide 1 year of warranty and 4 years of ATS. Bidder is required to co-ordinate with Bank's existing System Integrator for Facilities Management Services throughout the contract tenure.
- 10) As per the applications in the tender document bidder has to provide Facility Management Services which will be decided on the Banks Discretion.
- 11) The Bidder shall ensure that all Ethernet and fiber optic cables are neatly dressed, properly routed, and securely fastened within racks and designated pathways, in accordance with industry best practices. Each cable must be labelled at both ends, and a complete cabling layout with documentation must be submitted.
- 12) The Bidder shall supply all necessary Ethernet and fiber optic cables required for interconnecting the proposed hardware. All cables must be factory-terminated, of high quality, and fully compliant with applicable industry standards—such as Cat6A or higher for Ethernet and OM4/OS2 for fiber, as applicable. Only cables from the brands such as Corning/Panduit/Siemens shall be used. The use of low-grade, locally assembled, or substandard cables is strictly prohibited. The Bidder shall also provide cables in at least four distinct colours to segregate cabling for Management, Software Defined Storage, HCI and Backup & Replication traffic. The Bank reserves the right to inspect all supplied cable and reject any items that do not meet the required standards. The Bidder shall replace any such non-compliant items at no additional cost to the Bank.
- 13) The proposed solutions should coexist with all the other applications like DLP, Application Whitelisting solution, Anti-virus, Software distribution tool etc. functioning in the Banks environment without affecting any of the applications performance and Security.
- 14) The proposed solutions should be integrated with Bank's cyber security platforms as given below:
 - a) Security Operation Centre (SOC),
 - b) Preventive Identity Management (PIM),
 - c) Security Incident Event Management (SIEM),
 - d) Antivirus, Antimalware,
 - e) Data Loss Prevention (DLP),
 - f) Anti-Advanced Persistent Threat (Anti-APT),

- g) Endpoint Detection and Response (EDR)
- h) Active Directory
- i) Multi Factor Authentication and Single Sign on System etc.

to meet security and compliance requirements as and when required.

- 15) For Bill of Material and Minimum Technical Specifications details refer to Annexure 2: Commercial Bill of Materials and Annexure 12: Minimum Technical Specifications.
- 16) Any open or community version of software / application is not allowed to be used in the Bank. The Bidder should quote only OEM supported version of the software /application.

7.2.2 OEM Scope

- 1) For being committed to the success of the project and take ownership during the actual implementation, it is the responsibility of the bidder to ensure requisite support from the OEM for various aspects of project including configuration, performance tuning, implementation support, setting up of Production and UAT environment. The Bidder shall assess the requirement of services from OEM(s) for all the supplied applications & Hardware, and provision for requisite support.
- 2) Bidder must provision for qualified personnel to ensure highest standards during implementation phase.
- 3) During implementation OEM involvement should be spanning across all phases of implementation including Project Preparation, Solution Design Phase (Including Review/design of all the Documents, HLDs/LLDs/ Blueprints and other Solution documents), Installation, Migration (if applicable, Configuration and Customization, Integration, Acceptance and Training).
- 4) Below mentioned activities are to mandatorily be done by the product OEM –

S. N	Deliverable	Application OEM Responsibility
1	Project Plan	OEM(s) to review the Project plan submitted by the Bidder for their respective solution.
2	Training	OEM(s) have to mandatorily provide training to the Core team Technical & Administrative). It is also the responsibility of the OEM(s) to provide training manuals to each participant. All training material should be in English and should include Specific architecture and layout done for Bank. However, it is the responsibility of the Bidder to arrange and manage the training schedules. Training will be for 2-3 days for around ten resources at Bank's location where the required Infrastructure will be provided by the Bank.
3	HLD/ LLD	Bidder to take inputs from the OEM(s) and provide LLD & HLD documents to the Bank. However, it is the responsibility of the OEM(s) to review and recommend a methodology to achieve best performance. The same needs to be implemented upon sign-off on the documents by the Bank.

4	Migration Strategy	OEM(s) to validate the Data Migration Approach prepared by the Bidder which should broadly include Transaction Data, the approach for customer data, execution of migration utilities on the data and resolving the issue for any inconsistency in the data.
5	Base Product Patches	OEM(s) to provide all patches related to Product, Customizations and Interfaces within the agreed timelines. OEM(s) to reconcile the product and other patches provided to the Bank in a manner that the same is available on Day 1 to the Bank.
6	Go-Live	Installation by OEM(s) and OEM(s) to assist in having hygiene factors in place for checks and closures of SIT/ UAT/ correctness of data. OEM(s) should be available during the Go-live period to address any bugs raised during the go-live phase.
7	Status Reports	OEM(s) till implementation closure is required to be a part of the status calls from an application point of view to provide timelines for bug closures.
8	Documentation	OEM(s) to share the following: <ul style="list-style-type: none"> • Product manuals • Technical manuals

7.2.3 Applications at DC and DRC

7.2.3.1 Internal Private Cloud Infrastructure

1. Many of the applications are hosted on Banks Private Cloud infrastructure which is designed on x-86 Hardware platform. On a daily basis Virtual machines are created for different applications. To make the system ready Bank need to procure more x-86 systems with operating system and VM management software.
2. Bank envisages procurement of Servers and Switches for both DC and DRC. Bank's Data Centre (DC) is located in Mumbai and Disaster Recovery Centre (DRC) is in Hyderabad.
3. Integration, if any, with Bank's existing application platforms, Server and enterprise network etc.
4. Adherence to Service Level Agreements (SLA) as mentioned in this RFP document and periodic monitoring and reporting of the same to Bank.
5. Provision of comprehensive onsite warranty, AMC and maintenance of the in-scope components for the tenure of the contract.
6. De-gaussing and sanitization: For server hardware bidder/OEM is required to degauss/sanitize/destroy disk components before taking it away from Bank's premises.
7. All necessary Racks, Power strips, Power cables, Network cables, Fiber cables and any other components required for successful implementation of the solution are to be supplied and commissioned by the successful bidder at no additional cost to the Bank.
8. Bidder is, also, required to carry out activities given in the following table:

Sr. No.	Activity	Remarks
1	Physical delivery of server hardware at DC and DRC, as per Bill of Materials	Bidder has to supply and deliver server hardware; its related software, software licenses at DC and DRC, as per Bill of Materials, at Bank's site
2	End-to-end installation, implementation and integration of server hardware; at DC and DRC	<p>Bidder/OEM is required to do end-to-end installation, implementation, configuration and management of in-scope server hardware and Switches during the contract period. The Bidder/OEM has to harden the OS of the Server and Switches and configure the VM Cloud infrastructure as per Bank's requirement.</p> <p>Bidder/OEM is required to unpack, assemble, mount and boot the equipment, install necessary service packs, patches and fixes, set up and configure the equipment. Compatibility issues of sub-systems with OS, respective drivers, firmware, any other components are to be installed, if required, are to be resolved by bidder/OEM.</p> <p>Post end-to-end installation and implementation of equipment by bidder, Bank will conduct acceptance test to verify installation's compliance with the configuration and relevant setting provided by Bank.</p>
3	Provide comprehensive on-site warranty and AMC support for the tenure of contract	<p>Bidder will be responsible to provide comprehensive on-site warranty and back-to-back support from the OEM to meet the Service Levels defined in this RFP till currency of the Contract.</p> <p>Warranty of hardware will start from the date of hardware installation acceptance by Bank. AMC will start from the date of expiry of warranty period.</p>
4	Migration Services	Bidder/OEM will be responsible to provide migration services as per the scope defined in this RFP.

9. For in-scope hardware as mentioned in this RFP document and in Technical Specification, bidder should avoid to quote components going end-of-sale within 24 months of its date of delivery.
10. Bidder should ensure that proposed hardware should not go end-of-life or end-of-support within 7 years of date of delivery of the hardware(s) and associated software(s), the same responsibility shall so survive even after termination or expiry of the contract.
11. Bidder is required to supply, install, implement, configure, reconfigure, commission, integrate and provide comprehensive on-site warranty/AMC of all the in-scope server hardware based on the Technical Specifications shared by Bank. The delivery plan must be synchronized with the project delivery timelines of Bank.
12. Bidder is required to submit a report/certificate from OEM confirming that the installation is in-line with RFP requirements, Bank's baseline security policy and OEM's standard installation practices.

13. The bidder shall document the migration plan(s) and design using the validated data collected during discovery process, including definition of the migration methodology to be employed.
14. The bidder is required to co-ordinate with Bank's existing System Integrator for migration of data from the existing server hardware to new server hardware at DC and DRC.
15. The solution should be prepared for tentative 3 to 5 Cluster at DC and DRC both
 - Windows Database Cluster
 - Windows Application Cluster
 - Linux Database Cluster
 - Linux Application Cluster
 - Other Application Cluster
16. The bidder has to provide separate/unified platform Management Software licenses for above mentioned cluster.
17. The bidder has to migrate the existing VM clusters / Bare Metal Servers (OS, Application and Data) from the current VMware and Nutanix environment to the proposed new solution. The bidder has to migrate the existing Windows and Linux VMs as required by the Bank to the proposed new solution.
18. All the servers need to be of same configuration as mentioned in Annexure – 12 Minimum Technical Specification.
19. The solution should have native capabilities for replication and also accommodate and support any other replication technologies like those used by any other Hypervisor and or physical storages as may be. Enterprise licenses or highest license category available should be provided for the replication of Data between the DC and DR & to other node.
20. DC-DR replication and DR orchestration should not have an additional dependency of third witness/region to perform replication and DR Orchestration activities
21. Storage should be able to provide guaranteed performance & Quality of Service even in case of node failures.
22. The solution to be capable of providing a single pane management for in scope Hardware & Software components with the capability for Operational Management (with Admin & User views), easy provisioning capabilities, Automatic / One click orchestration features, feature for creating templates or blueprints for various VM / containers, easy grouping of the provisioned resources and application of policies etc.
23. The solution to provide capability proactive alerts on utilization, performance health, security posture and point in time congestion or routes taken by packets in the network with topology diagrams, configuration to troubleshoot such issues as well as suggest likely remediation's to the extent possible etc.
24. The solution to be capable of providing comprehensive and extractable reports (in PDF along with XLS or CSV format) of Physical and Virtual System Utilization, Physical and Virtual System Availability, Security implemented in the landscape, Rules applied to individual VM and as a group. Also it should have auto report generation on daily basis with auto email triggering.
25. The Management components must be highly available with no SPOF across both hardware and software components and across centres.
26. Solution should support private cloud set up comprises of Windows and Linux based guest OS on it.

27. Solution should support using the backup suites implemented in Bank for all backup requirements currently Commvault or any new backup suite which Bank finds suitable and the solution should leverage the use of these backup solution for the purpose of Backup in the New cloud Solution.
28. Bidder has to provide Enterprise licenses for taking point-in-time snapshots of the virtual machines to be able to revert back to an older state if required in the Virtualization software
29. Support for real-time data storage tiring between cache and capacity disks to maintain optimal performance should be a part of the solution and any licenses for the same should be incorporated as part of the proposal.
30. The solution must have De-duplication and Compression features licensed and implemented from day one.
31. The solution should deliver zero data loss in case of disk, host or network failure. The platform should have ability to replicate VM's independently & irrespective of the Hypervisor SW.
32. Solution should support for hosting their SDS (Software Defined Storage) component with choice of servers hardware available from leading OEM's. Bank should be able to run SDS solution on any compatible x86 hardware of choice and Licenses proposed for Software Defined Storage (SDS) Platform should be perpetual / subscription in nature (end user License name must be in the name of Bank). Bidder/OEM need to provide the Hardware Validation on the proposed Solution. The SDS license should not be tied with any specific hardware and must be transferable to any x86 hardware, in case bank wants to deploy it on new x86 hardware.
33. The Platform must provide management through a web based HTML 5 console.
34. Solution should be able to take VM's snapshot/Storage snapshot at any time irrespective of VM's state (Power ON/Power OFF/Suspended) with retention policy.
35. The solution must support migration or replication of Virtual machines across multiple disaster recovery sites, so that key virtual machines can be recovered in times of disaster.
36. The bidder has to configure the solution to have catalogue of private cloud and self-service provisioning.
37. The bidder has to configure application lifecycle management with automated orchestration across multiple hypervisor and cloud.
38. The solution should provide ability to orchestrate readymade workflows with third-party integrations via APIs to simplify the use of complementary IT service management tools (Banks existing & future tools) and products.
39. The solution should be configured for Life Cycle Management Work flows: Provisioning, cloning, re-sizing, snapshot, deletion etc. There should be zero manual intervention in this entire process.
40. The bidder has to customise the dashboard as per Banks requirement.
41. Reports should be generated as per Banks requirement
42. Solution should be integrated with Banks AD and RBAC should be implemented.
43. The solution should be configured to have an approval process to review, reject or approve the blueprints/templates into the Repository.
44. The approval policies should be integrated with email/SMS notifications such that approvals/ rejections can be done.

45. The solution should provide enterprise data services such as compression in software. Solution must have de- duplication and compression features licenses and implemented from day one. These functionalities should be part of the proposed solution. The Solution must have functionality to support compression and or Deduplication online on data container without any downtime and data loss.
46. The bidder has to migrate the existing application / Database with data from the Servers on VMware, Nutanix, Hyper-V and Bare metal environment to the new Private cloud infrastructure.
47. The TOR Switch OEM has to configure spanning tree as per Bank recommendation during the Contract Period.
48. The solution should be licensed with micro segmentation features.
49. The replication and DR orchestration licenses provided must be unlimited VM based.
50. Configure required VM replication as per Required RPO with Failover and Failback.
51. Configuring DB replication of Oracle / MSSQL etc./ at DB level.
52. Configuring OS /Database MSSQL and Oracle RAC cluster & replication.
53. Configuring VM Replication with HCI best Practice.
54. The VM servers wherever clustering is required for OS level cluster information the same must provision Ex: Oracle RAC, Linux Clustering etc.

7.2.3.2 Scope of Kubernetes Solution

1. Bidder has to supply, design, deploy, configure, re-configure End-to-End, operationalize and manage a secure, highly available on-premises Kubernetes platform to host containerized workloads, ensuring reliability, scalability, and operational efficiency.
2. Container Orchestration Platform to automate deployment and management of containerized applications.
3. Bidder has to define Kubernetes cluster architecture:
 - 1) Control plane and worker node topology
 - 2) High availability strategy
4. Bidder has to design Security architecture (RBAC, network policies, etc.)
5. Bidder has to prepare Kubernetes architecture diagram
6. Bidder has to provide configuration documentation
7. OEM has to Validate and prepare physical or virtual servers for Kubernetes
8. OEM has to install and harden the Operating system, Network configuration, Storage configuration and connectivity.
9. Install Kubernetes control plane and worker nodes
10. Bidder should ensure redundancy and availability of containers.
11. Scale up or down containers to spread application load evenly across host infrastructure
12. Move containers from one host to another if there is a shortage of resources in a host or if a host is not alive
13. Solution should be capable of allocation of resources between containers
14. Load balancing of service discovery between containers, and capability to integrate with external load balancer.
15. Monitor health of containers and hosts
16. The Kubernetes Platform should be integrated with Gitlab System of the Bank.

17. The Bidder should be responsible for Completion of creating Container Platform cluster
18. The Bidder should be responsible for Completion of creating Network setup for Services, Pods and Container Platform nodes.
19. Bidder must provide the container solution with CSI Files/Object integration
20. Integration with the backup solution deployed in Bank (Commvault) & should be configured with different network port / HBA without any impact on the performance.
21. The Solution should support enterprise-grade Kubernetes features, including automated deployment, scaling, and monitoring.
22. Provide dedicated certified resources for onsite support for a specified period.
23. Configure the following
 - 1) Cluster networking (CNI)
 - 2) Container runtime
 - 3) High availability control plane
 - 4) Configure storage classes and persistent volumes
 - 5) Enable cluster monitoring and logging
 - 6) Configure cluster upgrades and versioning strategy
 - 7) Fully functional Kubernetes cluster
 - 8) Cluster configuration documentation
 - 9) Implement RBAC and role segregation
 - 10) Configure network policies
 - 11) Enable TLS and certificate management
 - 12) Audit logging configuration
 - 13) Load balancing configuration (internal/external)
 - 14) Centralized logging
 - 15) Backup and disaster recovery setup
 - 16) Backup & recovery procedures
 - 17) Deployment of sample or pilot applications
 - 18) Namespace and resource quota configuration
 - 19) High availability and failover testing
 - 20) Operational run books
 - 21) Upgrade and maintenance procedures
 - 22) Admin and operations training sessions

7.2.3.3 Scope of GPU Server and AI

Bidder has to supply, design, deploy, configure, re-configure End-to-End, operationalize and manage a secure, highly available on-premises of GPU Server infrastructure, OS, driver, firmware, GPU driver, CUDA stack and AI platform framework configuration to enable AI/ML model development, training, inference, analytics, and high-performance computing (HPC) workloads in an on-premises environment. Bidder has to do installation and configuration of NVIDIA GPUs for the following:

- 1) AI/ML training and inference
- 2) Deep learning, LLMs, generative AI
- 3) Integration with existing data centre network infrastructure
- 4) On-premises deployment of enterprise AI platform

- 5) Kubernetes-based orchestration for AI workloads
- 6) Support for GPU sharing, scheduling, and isolation
- 7) Multi-tenant access control and resource quotas
- 8) AI Frameworks and Libraries with Pre-validated support for Tensor Flow, PyTorch, CUDA, cuDNN
- 9) The Solution should support the deployment and management of AI/ML workloads, including integration with popular frameworks like Tensor Flow and PyTorch. Use AI/ML to optimize resource allocation and predict workload demands.
- 10) Bidder has to import and deploy user-developed AI/ML models
 - 11) Monitoring of GPU, CPU, memory, and storage utilization
 - 12) Role-based access control (RBAC) by Integration with enterprise authentication (LDAP/AD)
 - 13) Centralized monitoring dashboard for GPU health, utilization, temperature, and power
 - 14) AI workload performance Log aggregation and alert generation
 - 15) Integration with existing APM, observability tools
 - 16) Administrator training for:
 1. GPU infrastructure management
 2. AI platform operations
 3. AI/ML model development and deployment
 4. Documentation including architecture diagrams and SOPs
- 17) The proposed solution shall be scalable to support Additional GPU nodes
- 18) Provide dedicated certified resources for onsite support for a specified period.

7.2.3.4 FIDO2 PASSWORDLESS AUTHENTICATION

Bidder has to supply, design, deploy, configure, re-configure End-to-End, operationalize and manage a Password less Authentication solution by implementing FIDO2 compliant with physical Tokens. The solution should have Phishing-resistant authentication. The solution should be installed in high availability mode at DC and DR location. Successful bidder has to do DR Drill for the solution during the contract period. The solution should be on premise and all kind of licenses for successful commissioning of the solution should be provided to the Bank.

7.2.4 Warranty & AMC/ATS for Hardware and Software Items

1. The scope of the services and maintenance is to be provided for a period of five (5) years from the date of acceptance of installation by the Bank (i.e. 1-year warranty followed by 4 years AMC/ATS post warranty for Software and 3-years warranty followed by 2 years AMC post warranty for Hardware.). After expiry of Five years, Bank has the option to extend AMC/ ATS for additional two years at the same cost of 5th year price.
2. The bidder should keep the Bank explicitly informed about the end of support dates of the related products/hardware and should ensure support during the warranty and AMC period.

3. During the Contract Period, in case there is hardware failure three or more times in a period of less than three months, then it shall be replaced by equivalent or higher level new equipment by the Successful bidder at no cost to Bank
4. The bidder shall provide perpetual / Subscription based licenses and the Bank is free to procure AMC/ATS for all or part of the licenses provided in this contract.
5. The bidder shall ensure all kinds of maintenance, deployment, re-deployment of Solution under RFP scope, at central or remote sites and at endpoints of branches/offices as part of maintenance only. No additional charges shall be payable for redesigning / re- deployment or maintenance of solution at any or all endpoints including DC and DR sites of the Bank ordered from time to time. The bidder shall ensure all activities pertaining to continuity of the smooth running of the solution as part of AMC/ATS without any extra cost to the Bank.
6. During the contract period Bank reserves the right to shift the equipment to a suitable location depending upon the need. The Bidder will arrange to uninstall, shift the equipment, re-install, configure and commission the same at the shifted location and making the entire system operational without any additional cost to Bank, however, Bank will bear the transportation charges and transit insurance.
7. Onsite Comprehensive maintenance of all applicable products, services, modules and accessories on yearly basis and sensitization of the end user for avoiding upcoming hazards on a regular basis. The vendor shall share the preventive maintenance reports in digital form/soft copy and hard copies shall, on demand by the Bank. If any part / items / accessories of the delivered products are found non-working / defective (due to whatsoever reason) during preventive maintenance, the Vendor at no extra cost to the Bank will replace it. The PM reports of the delivered products shall be duly recorded in two copies and produced as and when required.
8. Call basis Support for Solution related malfunctions, configuration as defined in SLAs and ability to log requests online. If required, engineer may have to visit the site for resolution of the issue.
9. Bank has the option for extending the AMC/ATS of the in scope components for additional 2 years after expiry of the contract at the same cost of 5th year AMC/ATS cost of this tender.
10. During Warranty and AMC Period, it will be mandatory on the part of the supplier to attend and resolve break down calls if any, as per the parameters/ timeframe defined in the "Service Level Agreement". The Vendor shall be responsible for non-compliance of SLA, due to delayed replacement of defective equipment /faulty parts/ software upgrades.
11. The successful bidder will attend to all breakdowns (due to whatsoever reason) in the Equipment/Systems, rectify problems thereof, and replace the faulty components of the systems with serviceable components. Such replacements will be free of cost on exchange basis. In the event the maintenance/ repair of any unit is to be carried out at any of the workshops, the Vendor shall make all arrangements for removal and transportation of equipment to the respective workshop and back to site at their risk and cost and will hand over the equipment in 100% working condition after repair/maintenance/rectification.
12. The Bank may procure & install new component(s) as a part of up gradation of existing system. In such cases, the original equipment (less new components) will continue to

- be governed by the AMC agreement and the new equipment(s) procured shall be covered under AMC on expiry of warranty period.
13. The Vendor will have to handover the system in 100% working condition on termination or at the end of the contract. Any breakdown call that has been reported before termination of the contract shall have to be corrected by the Vendor before handing over to Bank.
 14. For on-site comprehensive maintenance of equipment, the tools, test equipment and fixtures etc. required (if any) for maintenance shall be provided by the Vendor only.
 15. The Bank can terminate the AMC contract to the supplier of the equipment and discontinue the same due to performance issues by giving 90 days' notice.
 16. AMC contract can be extended at the discretion of the Bank at the same rates after the expiry of the contract period.
 17. Payment of support will be done as per calculation of the uptime, which is mentioned in the related clause.
 18. The Bank, at its sole discretion, will enter into AMC.
 19. Include all applicable Software Modules / Components items as applicable, indicated in the Price Schedule.
 20. Bank at its discretion can terminate the AMC contract in whole or as part thereof with the Vendor and discontinue the same without citing any reason by giving 90 days' notice and applicable amount, on a pro-rata basis, for the service rendered shall be payable.
 - 21. For the crucial issue hampering the working of entire system, the maximum response time for a maintenance complaint from the site of installation (i.e. time required for Supplier's maintenance engineers to report to the installations after a request call / fax / e-mail is made or letter is written) shall not exceed 4 (four) hours.**
 - 22. The Supplier shall ensure that faults and failures intimated by the Bank as above are set right within SLA terms of being informed of the same.**
 - 23. The bidder shall ensure re-deployment of Solution at central or remote sites or at endpoints as part of maintenance only. No additional charges shall be payable for re-designing / re-deployment of solution at any or all endpoints including DC and DR sites of the Bank. The bidder as part of AMC without any extra cost shall ensure all activities pertaining to continuity of the solution to the Bank.**
 24. AMC for System hardware and Software / off-the-shelf Software will be provided to the Bank as per the general conditions of sale of such software.
 25. Both the bidder and OEM will be totally responsible for the maintenance, configuration and fault free operations of supplied infrastructure i.e., hardware, software and its maintenance during the warranty and post warranty (AMC/ATS period) period.
 26. Any technical glitch/ issue in installed infrastructure of the solution (i.e., hardware and software, OS/DB etc.) should be attended on priority and should cover under warranty/AMC.
 27. Clauses related to Version Upgrades/Updates
 - i. The successful bidder should provide onsite support for all minor and major version upgrades, firmware upgrades in time for the devices and software supplied by the Successful Bidder from the Original Equipment Manufacturer (OEM) and during the period of contract at no extra cost.**
 - ii. Program updates patches, fixes and critical security alerts as required.**

- iii. **Documentation updates.**
- iv. **All regulatory / statutory changes should be done without any additional cost to the Bank.**

28. Right to Use Defective Product

- i. If after delivery, acceptance and installation and within the guarantee and AMC period, the operation or use of the product is found to be unsatisfactory, the Bank shall have the right to continue to operate or use such product until rectification of defects, errors or omissions by partial or complete replacement is made without interfering with the Bank's operation.
- ii. Arranging for the replacement of defective equipment / faulty parts (due to whatsoever reason) of equipment's on time basis as per SLA and the necessary coordination with OEM for the same during the whole contract period.
- iii. **Service Level:** All defective parts/faulty Part shall be replaced at no extra cost. Replacement parts shall be new part from the same manufacturer(s). Whether a defective item or component is to be replaced or repaired shall be at the sole discretion of the Bank. In the case of a part, the defective part removed from the system will become the property of the selected firm.
- iv. **Response Time Maximum:** Response Time for Remedial Maintenance under the contract is measured in elapsed coverage hours from the time a service request is received to the time the vendor's customer engineer arrives at Bank Site. This contract provides maximum of 4 coverage hour's response time.

29. Statutory and Regulatory Requirements:

- i. The solution must comply with all applicable requirements defined by any regulatory, statutory or legal body which shall include but not be limited to RBI or other Regulatory Authority, judicial courts in India and as of the date of execution of Agreement. This requirement shall supersede the responses provided by the Bidder in the technical response. During the period of warranty / AMC, Bidder should comply with all requirements including any or all reports without any additional cost, defined by any regulatory authority time to time and which fall under the scope of this RFP / Agreement. All mandatory requirements by regulatory / statutory bodies will be provided by the bidder under change management at no extra cost to the Bank during the tenure of the contract.

7.2.5 Audit Trail Requirement

- 1) Audit logs reporting & analysis tool: Solution should be able to capture and display all events (either in sequence or by event type) in a simple, intuitive interface to understand the contributing events to an infection during the contract period of 5 years.
- 2) Store log data in a compressed manner, data must be stored in encrypted form and shall have features that support different retention/archival requirements for various logs.
- 3) Logs Integration
- 4) In case of Material Workload, all logs of assets related to Bank's subscription/ tenant should be integrated with the Bank's SOC.
- 5) All logs in case of Standard Workload hosted on premise/ cloud should be integrated with Bank's/ SOC/SIEM/SOAR.

7.2.6 Bidder FM Services

Bidder is required to provide FM Services for the following below mentioned components –

Refer to section 7.3 of this RFP for detailed Bidder's FM Services

Refer to start and end date in Annexure 2: Commercial Bill of Materials

7.2.7 Delivery & Installation

The Bidder must perform below activities to successfully deliver and install the in-scope component required for this project.

- 1) The bidder to coordinate with the respective Data Centre SPOC (DC&DRC) in respect of all the assignments relating to this particular RFP.
- 2) The bidder is responsible for delivery, transportation, transit insurance, of in-scope components of the RFP, insurance till acceptance by the Bank, installation/implementation and commissioning of In-scope Components at sites including integration, acceptance testing, documentation, warranty, annual maintenance.
- 3) Any delay in installation of the proposed in-scope components for whatsoever reasons should not entail in expiry of insurance and the same should be continued to be extended up to the date of installation, acceptance and commissioning of the in-scope components and its associated licenses by the Bank.
- 4) The bidder shall be responsible for installation and commissioning and other related activities.
- 5) During the installation, the bidder shall check physical availability of items as per the Bill of materials. If any of the items are not delivered / not as per the specification etc., the bidders' representative/s at the site shall take immediate steps and ensure all the items are delivered so that the installation is not hampered.
- 6) The Bidder shall have to arrange for all testing equipment and tools required for installation and maintenance.
- 7) In case damage of the property owned / leased by the Bank during delivery and installation which is attributable to the bidder, bidder has to replace the damaged property at no cost to the Bank.
- 8) The bidder shall adhere to the service level specified in the RFP for the migration of the data from existing solution to proposed solution.
- 9) Bidder shall document migration Plan(s) and design using the validated data collected during discovery process, including definition of the migration methodology to be employed.
- 10) The bidder shall adhere to the service level specified in the RFP for the installation/implementation of in-scope components supplied by the bidder.
- 11) The Bidder should provide the necessary Power, Space, Cooling requirements for the deployment of Hardware for in-scope Applications.

- 12) The Bidder is required to provide the necessary pre-requisites to the Bank at least two weeks before the product delivery.
- 13) Bidder is required to co-ordinate with the CBS-SI for the installation of all Software Licenses
- 14) Bidder is required to submit a report/certificate from OEM confirming that the installation is in line with RFP requirements, Bank's baseline security policy and OEM's standard installation practices.

7.2.8 Maintenance

The Bidder must perform below activities to successfully install in-scope Components of this RFP after successful migration of the data.

- 1) The Bidder shall provide the High-Level Document & Low-Level Documentation with As-is built documentation to the existing vendor.
- 2) Provide Knowledge Transfer to Bank throughout delivery of the Service, which includes a detailed overview on the implementation and configuration parameters and features and functionality of Bank's in-Scope components of this RFP. This should include a handbook about maintenance, management and housekeeping which shall be guiding document to Bank and or its appointed Bidder.

7.2.9 RFP In-Scope Activity Set

This section describes the High-level activity list to be followed by relevant stake holders will complete the required activities in the following set:

Activity Set	List of Detail Activities
Kick-Off Meeting	<p>Bidder will:</p> <ul style="list-style-type: none"> ✓ Conduct a Kick-off Meeting with the Bank stakeholders to review the project Scope, Approach, Deliverables, Milestones, and responsibilities of both parties. ✓ During the Kick-off Meeting, Bidder will exchange contact, procedural and schedule information with Bank
Pre-Site Tasks	<p>Bidder will:</p> <ul style="list-style-type: none"> ✓ At least one week prior to commencing Service at the Service Location, Bidder will provide Bank with a Pre-site Readiness Checklist. Bidder will verify that the necessary prerequisites listed in the Pre-site Readiness Checklist have been completed. Checklist includes an inventory of Bank's environment included in the Scope of the Service. ✓ Bidder will meet with the Bank to confirm logistics, such as user access and workspace, and identify any modifications to Bank's inventory in the Pre-site Readiness Checklist. ✓ When the Pre-site Readiness Checklist is completed and verified by Bidder, Bidder and Bank will schedule the Service to commence at the Service Location.

Activity Set	List of Detail Activities
Handholding and Training	Bidder will: <ul style="list-style-type: none"> ✓ Provide Knowledge Transfer / hand holding to Bank's technical staff throughout the delivery of Service, which includes a detailed overview on the implementation and configuration parameters and features and functionality of the proposed in-scope Application software and System & Supporting software. ✓ A detailed training by Bidder/OEM has to be conducted for selected Bank employees / SI on the implemented solution
Project Closure	Bidder will: <ul style="list-style-type: none"> ✓ Review the proposed Applications, System Software and supporting Applications with the migrated data with Bank's project team. ✓ Review Service-related documents with Bank. ✓ Review troubleshooting, support, and escalation procedures with Bank.

7.2.10 Mandatory Training/ Knowledge Transfer

- 1) A Comprehensive training shall be the key to successful Operations and Maintenance; hence, the Bidder is required to provide required training to Bank nominated Officials by the OEM trainer. The training documents, including Operating Manuals, Standard Operating Procedures (SOP) for the proposed solution shall be prepared and shared by the bidder with BANK. Training will be conducted at Bank location for the batch of around 10 resources for 2 days in 2 batches for each module. The required infrastructure for training will be provided at Bank's location.
- 2) However, at a minimum, the plan shall include the following:
 - Overview of the components Installed
 - Technical Architecture
 - Technical and Operational Manual of the solution
 - Handling worst case scenarios (Malwares, Zero Day Vulnerabilities among others)
 - The above plan is only indicative; the final training plan shall be finalized between the successful bidder and Bank. No separate charges will be paid for training

7.3 Facilities Management Services

- 1) This section describes the Facility Management (FM) services required by the Bank in the RFP. Successful Bidder needs to consider and envisage all services that would be required in the maintenance of in-scope components part of this RFP for the period of contract.
- 2) Facilities Management Services is envisaged for the DC, DR, Near Site, branches and offices including CO, ZOs, ROs and other administrative outfits. The support for branches and offices including CO, ZOs, and ROs will be provided remotely from

DC and DR for the in-scope components of the RFP (hardware, software and application).

- 3) Facilities Management for all purposes means all onsite people deployed providing support, AMC, warranties, ATS required for the maintenance, monitoring and support of the application, and equipment.

7.3.1 Facilities Management Services – Scope of Work

- 1) Successful Bidder is required to provide support from OEM Certified L2 Engineer for Hardware, Software, Network Devices, Operating System, HCI, Kubernetes & AI/ML Application Software, during the tenure of the contract.
- 2) The FMS Engineer is required to provide support for equipment replacement.
- 3) The FMS Engineer is required to perform fine tuning for hardware equipment/Appliance and Software/System Software part of the RFP, on a regular basis.
- 4) The FMS Engineer is required to co-ordinate warranty repair or replacement service for the hardware and process warranty claims, as applicable.
- 5) The FMS Engineer is required to co-ordinate and schedule maintenance activities with the end user and appropriate support functions of the Bank.
- 6) The FMS Engineer is required to maintain accurate documentation on the current location and status of hardware/software in the process of being repaired /updated.
- 7) The FMS Engineer is required to provide maintenance data, as reasonably requested by the Bank, to support replacement/refresh scheduling.
- 8) The FMS Engineer is required to co-ordinate with all the stake holders including OEM for maintenance, replacement or any up-dation of software and agents.
- 9) The FMS Engineer is required to update, or provide the information required for the Bank to update the Asset Management system with the Bank.
- 10) The FMS Engineer needs to ensure that, any software patch updates / releases / advisory from OEM; OEM should notify Bank's stake holders via email and update the systems as per Bank Policy.
- 11) The Bank will not be liable to pay any additional amounts in respect of any sort of maintenance required during the tenure of the contract for in-scope components part of the RFP.
- 12) The FMS Engineer is required to provide preventive maintenance of in-scope components part of this RFP on bi-annually basis and submit observation reports to the Bank.
- 13) The FMS Engineer is required to conduct DR-drills quarterly as per Bank's schedule to test the functionality of the DR for the in-scope components in this RFP.
- 14) Debugging and resolving issues related to application configuration and technology stacks.
- 15) Upgrading and patching application environments and their technology stacks on an ongoing basis.
- 16) Conducting regular maintenance checks to ensure quality

7.3.2 Scope of Work for Onsite Engineer

The Scope includes (but not limited to) the following:

- 1) Post go-live, Bidder's on-site L2 support should be during the period of contract as per Bank requirement.
- 2) The Onsite resource should roll out and maintain all in-scope components part of the RFP.
- 3) Overall proactive monitoring through online dashboard and management of in-scope components and related services part of this RFP. The implementation of IT solutions on additional agents after signoff of the solution shall be done by onsite Engineer without any extra cost to the Bank.
- 4) Overall monitoring and management of the project during and after installation for the full period of contract.
- 5) Submission of periodical reports on the performance of all in-scope components and its reviews.
- 6) Redesigning of the solution for optimal output of the solution in interest of the Bank during the period of contract.
- 7) Prepare and maintain Standard Operating Procedure (SOP) document pertaining to the services/Operations.
- 8) The onsite resource should support and coordinate / cooperate with the Bank & vendor teams.
- 9) The onsite resource should optimize existing processes and recommend changes for optimal functioning of Solution, in-tune with best practices and audit compliance.
- 10) The onsite resource has to ensure the support from respective OEM for all in-scope components to carry out the activity for expansion, upgrade and configuration of proposed solution during the period of contract without any additional cost to Bank.
- 11) The bidder shall provide backup resource in case onsite resource avails leave.
- 12) Onsite resource should coordinate with all the internal teams for follow-up for open tickets & activities.
- 13) Confidentiality of the Bank's data and all related details shall not be disclosed by the bidder to any third parties or persons.
- 14) The Bidder should submit back-ground verification report of the onsite engineer along with all documents at the time of joining onsite.
- 15) The onsite resource to be deputed will be interviewed by Bank's officials prior to deputation. If not found as per Banks' requirement, Bank will not permit the deployment of such resource(s).
- 16) The deputed personnel should be prepared to work for extended hours in case of need.
- 17) The deputed personnel should abide by timings of the Bank.
- 18) The on-site resource shall not be changed without prior approval from the Bank and adequate notice period must be served i.e., minimum two months. Any resigned resource of the on-site team should not be relieved before giving suitable replacement; and should surrender/ submit all the Bank assets.
- 19) Absence of any resource must be complemented with an equally skilled resource.
- 20) If the onsite engineer is found to be not qualified / suitable / his performance is not satisfactory, the bidder will have to replace the engineer within 45 days of written communication from the Bank regarding the same.
- 21) The onsite resource should consult and assist various admin/application teams in operating and adapting to IT Operations management solution during the period of contract.

- 22) The resource should create Training/Knowledge Base (KB) Articles on the platform and associated tools and keep it updated timely as part of knowledge repository to enable self-learning with the Bank.
- 23) The onsite resource has to install, configure, manage, patch update version upgrade servers for Windows, Red hat operating System, Kubernetes, HCI and AI/ML Software and hardware firmware.

Any other task(s) associated/ related with the proposed solution and not listed above.

7.4 General Responsibility of the Bidder

Delivery, Installation and Maintenance –

- 1) The Successful Bidder should co-ordinate with the respective SPOC (DC/DRC/Branches) for all in-scope components part of this RFP.
- 2) The bidder shall specifically mention the make and model of the items offered for all the requirements in terms of RFP without fail. Failing which the bid is liable to be rejected.
- 3) The bidder is responsible for delivery and installation of all in-scope components. The bidder should, also, be responsible for acceptance testing, documentation, warranty, AMC and ATS.
- 4) Any delay in installation and implementation of any in-scope component, for reasons solely attributable to the bidder, should not entail in expiry of insurance and the same should be continued and extended up to the date of installation and acceptance signoff for the delivered in-scope component and its associated licenses.
- 5) The bidder should be responsible for installation and other related activities such as unpacking, un-crating, post-delivery inspection etc.
- 6) During installation, the bidder should check physical availability of items as per the packing list. If any of the items are not delivered / not as per the specification / damaged etc., bidders' representative/s at the site shall take immediate steps and ensure all the items are delivered so that the installation doesn't get hampered. The bidder shall have to arrange for all testing equipment and tools required for installation, maintenance, and arrange the vehicle for transport at no additional cost to Bank.
- 7) In case of damage of the property owned / leased by Bank during delivery and installation of any of the components, which is attributable to the bidder, the bidder has to replace the damaged property at no cost to Bank.
- 8) The bidder shall ensure compatibility of to-be supplied software licenses with the hardware and software systems being used in Bank.
- 9) The bidder shall adhere to the service level specified in the RFP for the installation of software licenses supplied by them.
- 10) The bidder shall conduct preventive maintenance (including, but not limited to, inspection, testing, satisfactory execution of all diagnostics, cleaning and removal of dust and dirt from exterior of equipment and necessary repairing of equipment) at specified intervals as may be necessary from time to time to ensure that the equipment is in effective running condition so as to ensure trouble free functioning.

- 11) The bidder shall provide replacement component, if any component is required to be taken out of the premises for repairs at no additional cost to the Bank.
- 12) The bidder shall document the migration plan(s) and design using the validated data collected during discovery process, including definition of the migration methodology to be employed.
- 13) The bidder should ensure Knowledge Transfer to Bank throughout delivery of the service, which should include detailed overview of the implementation and configuration parameters and features and functionality of the proposed in-scope components.
- 14) The bidder is required to co-ordinate with Bank's existing System Integrator for implementation of OS on server hardware, VM creation, migration of data at DC & DRC
- 15) The bidder is required to co-ordinate with Bank's existing System Integrator for migration of database along with data from the existing server hardware to new server hardware at DC and DRC.
- 16) The bidder is required to co-ordinate with Bank's existing System Integrator for implementation of OS on server hardware at DC & DRC
- 17) All changes and/or customizations in in-scope proposed solution and AMC & ATS of in-scope components as and when required by Bank Officials, the same will have to be delivered at no additional cost to the Bank, during the tenure of the contract.
- 18) Data Validity and confidentiality: Bidder to ensure no unwarranted, illegal and fraudulent misuse of data shared by the Bank and bidder to categorically indemnify the Bank against any losses that the Bank may suffer on account of any such fraudulent and illegal act by the Company or its employees.
- 19) The Bank shall give Bidder/OEM and its personnel only physical access to the support location and the designated hardware & equipment to enable Bidder to provide the maintenance & support services. Any mode of remote access like VPN, Webex, Remote login etc. will not be allowed from any network outside Bank's Network
- 20) If the bidder feels that certain features offered are superior to what Bank has specified, it shall be mentioned separately. Information regarding any modification required in the proposed configuration to meet the intent of the specifications and state of the art technology shall be provided. However, Bank reserves the rights to accept the modification/ superior features suggested /offered.
- 21) The bidder shall provide all other equipment and services, whether or not specifically mentioned in the RFP, to ensure the intent of specification, completeness, operability, maintainability and upgradability.
- 22) The selected bidder shall own the responsibility to demonstrate that the product offered are as per the specification /performance stipulated the RFP and as committed by the bidder either at site or in bidder's work site without any extra cost to Bank.

8 Project Timelines

The successful Bidder is expected to adhere to the following timelines concerning the implementation of the solutions/services in Bank:

#	Activity	Weeks	Time Period for Completion
1	Supply and delivery of hardware components at DC, DRC	12 Weeks	Within 12 weeks of date of acceptance of the Purchase Order (PO) by the Vendor
2	Installation of hardware at DC and DRC	6 Weeks	Installation and implementation of hardware and software, software licenses at DC and DRC solution & for installation and configuration of Kubernetes Software- Within 6 weeks of date of delivery acceptance
3	Supply and delivery of software licenses at DC, DRC	6 Weeks	Within 6 weeks from Date of intimation by the Bank for supply.
4	Private Cloud, Kubernetes and GPU Software Commissioning and acceptance by Bank	8 Weeks	Within 8 Weeks from the Date of Installation of Hardware
5	Migration services	12 Weeks	Server migration – Within 12 weeks of Private Cloud Live and acceptance by Bank

The Bank, at its discretion, shall have the right to alter the delivery, implementation schedule and quantities based on the implementation plan. This will be communicated formally to the Bidder during the implementation, if a need arises. As there are many applications covered under this RFP, Bank will schedule the implementation plan and accordingly for some of the application above schedule will start from the date of intimation by the Bank.

9 Maintenance Support

The Bidder must provide uninterrupted availability of the system and ensure that the problem is resolved within the time schedule as prescribed in the Service Level Agreement (SLA). For any major break down such as crash, the Bidder must arrange for immediate on-site support for recovery and resumption of operations. The re-installation of the software if required is the sole responsibility of the Bidder, which should be treated as service provided under. Maintenance support will also include installation of system updates and upgrades, providing corresponding updated manuals, and follow-up user training. During the ATS period, all upgrades should be free. All regulatory / statutory changes should be done without any additional cost to the Bank.

Section-3

Terms & Conditions

10 Liquidated Damage

The successful bidder must strictly adhere to the schedules for completing the assignments. Failure to meet these Implementation schedule, unless it is due to reasons entirely attributable to the Bank, may constitute a material breach of the successful bidder's performance. In the event that the Bank is forced to cancel an awarded contract (relative to this RFP) due to the successful bidder's inability to meet the established delivery dates, and also the Bank may take suitable penal actions as deemed fit.

Penalty: The successful bidder shall agree to the penalties structure in accordance with the following:

The Liquidated Damages (LD) shall be 1% of amount for Goods or Services including Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc. which have been delayed for each week or part thereof for delay until actual delivery or performance.

The Bank reserves the right to deduct the applicable penalty amount from any payments due to the Vendor under this Agreement or to recover the same.

However, the total amount of Liquidated Damages deducted will be pegged at 10% of the contract value.

Once the maximum is reached, the Bank may consider termination of the contract and other penal measure will be taken like forfeiture of EMD, Foreclosure of BG etc. In this context Bank may exercise both the rights simultaneously or severally. In case the Bank exercises its right to invoke the Bank guarantee and not to terminate the contract, the Bank may instruct to concerned bidder to submit fresh Bank guarantee for the same amount in this regard.

In the event the Bidder claims that the delay is attributable to the Bank, the Bidder must produce proper, documented evidence to substantiate the claim.

11 Land Border Sharing Clause

The Bidder must comply with the requirements contained in O.M. No. 6/18/2019-PPD, dated 23.07.2020 Order (Public Procurement No. 1), Order (Public Procurement No. 2) dated 23.07.2020 and Order (Public Procurement No. 3) dated 24.07.2020. Bidder should submit the undertaking in Annexure17: Land Border Sharing Undertaking in this regard and also provide copy of registration certificate issued by competent authority wherever applicable.

Para 1 of Order (Public Procurement No. 1) dated 23-7-2020 and other relevant provisions are as follows:

- 1) Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with Competent Authority.
- 2) "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such persons, participating in a procurement process.

- 3) “Bidder from a country which shares a land border with India” for the purpose of this Order means: -
- i. An entity incorporated, established, or registered in such a country; or
 - ii. A subsidiary of an entity incorporated, established or registered in such a country; or
 - iii. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - iv. An entity whose beneficial owner is situated in such a country; or
 - v. An Indian (or other) agent of such an entity; or
 - vi. A natural person who is a citizen of such a country; or
 - vii. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

The beneficial owner for the purpose of (iii) above will be as under.

- 1) In case of a company or limited liability partnership, the beneficial owner is the natural person(s). who, whether acting alone or together, or through one or more judicial person, has a controlling ownership interest or who exercises control through other means.

Explanation

- i “Controlling ownership interests” means ownership of or entitlement to more than twenty-five per-cent of shares or capital or profits of the company.
- ii “Control” shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholder’s agreements or voting agreements.
- iii In case of partnership firm, the beneficial owner is the natural person(s), who, whether acting alone or together or through one or more judicial person, has ownership of entitlement to more than fifteen per-cent of capital or profits of the partnership.
- iv In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together or through one or more judicial person, has ownership of or entitlement to more than fifteen per-cent of the property or capital or profits of such association or body of individuals.
- v Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person(s), who hold the position of senior managing official.
- vi In case of trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen per-cent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- vii An agent is a person employed to do any act for another, or to represent another in dealings with third persons.

12 Monitoring & Audit

Compliance with security best practices may be monitored by periodic computer security audits/Information Security Audits/Statutory and Regulatory audit performed by or on behalf of the Bank. The periodicity of these audits will be decided at the discretion of the Bank. These audits may include, but are not limited to, a review of: access and authorization procedures, backup and recovery procedures, network security controls and program change controls. The successful bidder must provide the Bank access to various monitoring and performance

measurement systems. The successful bidder has to remedy all discrepancies observed by the auditors at no additional cost to the Bank. For service level measurement, as defined in SLA, data recording is to be captured by the industry standard tools implemented by the Successful bidder. These tools should be a part of the proposed solution.

13 Bid Submission

- 1) Bidders satisfying the eligibility conditions (mentioned in Eligibility Criteria) and General terms and conditions specified in this document, may submit their bid through Government e-Marketplace (GeM) on or before the time-line stipulated in Invitation for Tender Offers.
- 2) All responses received after the due date/time be considered late and would be liable to be rejected. Government e Marketplace (GeM) portal will not allow lodgement of RFP response after the deadline. It should be clearly noted that the Bank has no obligation to accept or act on any reason for a late submitted response to RFP. The Bank has no liability to any Bidder who lodges a late RFP response for any reason whatsoever.
- 3) Bank will not accept the bid through any other mode except GeM.
- 4) Bid Security / Earnest Money Deposit: “Earnest Money Deposit” shall be paid through RTGS (Real Time Gross Settlement) / NEFT (National Electronic Fund Transfer) in the account no.-3287810289 of Central Bank of India (IFSC Code – CBIN0283154) with narration Tender ref no **GEM/2026/B/7118455** in favour of “Central Bank of India” or by way of Bankers Cheque/Demand Draft/Pay Order favouring Central Bank of India, payable at Mumbai/Navi Mumbai.
- 5) The scanned copy of the receipt of making transaction is required to be uploaded on GeM portal at the time of “final online bid submission The RFP response without proof of amount paid towards Bid Security are liable to be rejected.
- 6) Guarantee of an equal amount issued by a scheduled commercial Bank (other than Central Bank of India) located in India, valid in the form provided in the RFP (Annexure 13: Bid Security (Earnest Money Deposit)). The Demand Draft should be of a Commercial Bank only (other than Central Bank of India) and will be accepted subject to the discretion of the Bank.

Tender Schedule (Key Dates):

The Bidders are strictly advised to follow the Dates and Times as indicated in the Time Schedule in the detailed tender Notice for the Tender. Ensure that no activity or transaction can take place outside the Start and End Dates and time of the stage as defined in the Tender Schedule.

- 1) At the sole discretion of the tender Authority, the time schedule of the Tender stages may be extended.

14 Integrity Pact

- Each Participating bidder/s shall submit Integrity Pact, as per attached Annexure
- duly stamped for ₹500 (Rupees Five Hundred Only). Integrity pact should be submitted by all participating bidders at the time of submission of bid documents or as per satisfaction of the Bank. The Non submission of Integrity Pact, as per time schedule

prescribed by Bank may be relevant ground of disqualification for participating in Bid process. Hard copy of the Integrity Pact to be submitted to Bank prior to bid opening.

- Bank has appointed Independent External Monitor (hereinafter referred to as IEM) for this pact, whose name and e-mail ID are as follows:
 - i. Shri Anant Kumar [anant_in@yahoo.com]
 - ii. Mr. Nirmal Anand Joseph Deva [mail: meghanadeva2022@gmail.com]
- IEM's task shall be to review – independently and objectively, whether and to what extent the parties comply with the obligations under this pact.
- IEM shall not be subjected to instructions by the representatives of the parties and perform his functions neutrally and independently.
- Both the parties accept that the IEM has the right to access all the documents relating to the project/procurement, including minutes of meetings.

15 Technical and Commercial Offers

Technical Offer

- 1) The Technical Offer (TO) should be complete in all respects and contains all information asked for, in this document.
- 2) It should not contain any price information. But a copy of the commercial bid without mentioning the price should be attached with Technical Offer (TO). However, any mention of price in Technical Offer (TO) will result in disqualification of the bid.
- 3) The Technical Offer (TO) must be submitted in an organized and structured manner. All the product brochures / leaflets / manuals etc. should be submitted along with the Technical Offer (TO). The technical offer should be in compliance with technical requirement / specifications.
- 4) The Technical Offer (TO) must contain the proof of submission of bid security. Without any of these two, bidder will be disqualified, and bid submitted by them will not be considered for process.

Commercial Bids of only technically qualified Bidders shall be opened on the basis of technical proposal.

The Commercial Offer (CO) should be complete in all respect. It should contain only the price information as per Annexure 2: Commercial Bill of Materials.

- 1) The commercial offer should be in compliance with Technical configuration / specifications as per Annexure 12: Minimum Technical Specifications.
- 2) The price to be quoted for all individual items and it should be unit price in Indian rupees.
- 3) In case there is a variation between numbers and words, the value mentioned in words would be considered. The Bidder is expected to quote unit price in Indian Rupees (without decimal places) for all components and services on a fixed price basis, as per the

commercial Bid inclusive of all costs. GST (Goods and Services Taxes) shall be payable as per applicable structure laid down under GST Law. The Bank will not pay any other taxes, cost or charges. The price would be inclusive of all applicable taxes under the Indian law like customs duty, freight, forwarding, insurance, delivery, and GST etc. Any increase in GST will be paid in actuals by the Bank or any new tax introduced by the government will also be paid by the Bank. The entire benefits/ advantages, arising out of fall in prices, taxes, duties or any other reason, must be passed on to Bank. The price quoted by the Bidder should not change due to exchange rate fluctuations, inflation, market conditions, and increase in custom duty. The Bank will not pay any out of pocket expense. The Selected Bidder will be entirely responsible for license fee, road permits, NMMC cess, LBT, Octroi, insurance etc. in connection with the delivery of products at site advised by the Bank including incidental services and commissioning. Payment of Octroi, entry-tax, etc., alone, if applicable, will be made at actuals, on production of suitable evidence of payment by the Bidder.

- 4) The price is inclusive of taxes like Goods and Services Tax, which shall be paid as per actuals.

16 Evaluation & Acceptance

- 1) Technical offers will be evaluated on the basis of compliance with eligibility criteria, technical specification, other terms & conditions stipulated in the RFP. Only those bidders who qualify in the technical evaluation would be considered for evaluating the commercial bid. Bank may, at its sole discretion, waive any non-conformity or deviations.
- 2) In case, any of the successful bidder is unable to honour in full or part of the contract awarded, Bank shall, at its sole discretion, distribute this shortfall to the other successful bidder(s) equally or in any ratio decided by the Bank.
- 3) Bank reserves the right to reject the bid offer under any of the following circumstances:
 - i. If the bid offer is incomplete and / or not accompanied by all stipulated documents.
 - ii. If the bid offer is not in conformity with the terms and conditions stipulated in the RFP.
 - iii. If there is a deviation in respect to the technical specifications of hardware items.
- 4) The Bank shall be under no obligation to mandatorily accept the lowest or any other offer received and shall be entitled to reject any or all offers without assigning reasons.

17 Reverse Auction

Reverse Auction would be conducted amongst the technically qualified bidders as per GeM rules.

18 Evaluation Process

The competitive bids shall be evaluated in three phases:

- Stage 1 – Eligibility Criteria
- Stage 2 – Technical Bid stage
- Stage 3 – Lowest Commercial Bid (L1) through Reverse Auction and Negotiations if required

Stage -1 Eligibility Bid

Eligibility criterion for the Bidders to qualify this stage is clearly mentioned in Section 2 – Eligibility Criteria to this document. The Bidders who meet all these criteria would only qualify for the second stage of evaluation. The Bidder would also need to provide supporting documents for eligibility proof. All the credentials of the Bidder necessarily need to be relevant to the Indian market.

The decision of the Bank shall be final and binding on all the Bidders to this document. The Bank may accept or reject an offer without assigning any reason whatsoever.

Normalization of Bids

The Bank may go through a process of technical and/ or commercial evaluation and normalization of the bids to the extent possible and feasible to ensure that Bidders are more or less on the same technical ground. After the normalization process, if the Bank feels that any of the bids need to be normalized and that such normalization has a bearing on the commercial bid; the Bank may at its discretion ask all the technically shortlisted Bidders to resubmit the updated technical and commercial bids once again for scrutiny. The Bank can repeat this normalization process at every stage of technical submission till the Bank is reasonably satisfied. The Bidders agree that they have no reservation or objection to the normalization process and all the technically short listed bidders will, by responding to this detailed document, agree to participate in the normalization process and extend their co-operation to the Bank during this process. The Bidders, by submitting the response to this detailed document, agree to the process and conditions of the normalization process. Any non-compliance to the normalization process may result in disqualification of the concerned Bidder.

Bank may call for any clarifications/ additional particulars required, if any, on the technical/ commercial bids submitted. The Bidder has to submit the clarifications/ additional particulars in writing within the specified date and time. The Bidder's offer may be disqualified, if the clarifications/ additional particulars sought are not submitted within the specified date and time. Bank reserves the right to call for presentation(s), product walkthroughs, on the features of the solution offered etc., from the bidders based on the technical bids submitted by them. Central Bank of India also reserves the right to conduct reference site visits at the Bidder's client sites. Based upon the final technical scoring, short listing would be made of the eligible bidders for final commercial bidding.

Stage-2 Technical Evaluation Criteria

The technical evaluation criterion would broadly involve the following major areas:

- 1) Compliance to the bill of materials as in Annexure 2: Commercial Bill of Material
 - i. The Bidder is expected to provide their “compliance” against each item stated in the Bill of material, this means that the Bidder confirms to the provisioning of the stated product / service and the terms of the RFP and subsequent addendums. Deviations to the Compliance requirements may lead to disqualification.
- 2) Compliance to the minimum technical specifications as in Annexure 12: Minimum Technical Specifications
 - i. The Bidder is expected to provide their “compliance” against each line item stated in the Minimum Technical Specifications, this means that the Bidder confirms compliance to the stated specifications and the terms of the RFP and subsequent

addendums. Deviations to the Compliance requirements may lead to disqualification.

- 3) Bidder's detailed work plan – Bidder to share Gantt chart in conformity with the stated timelines. The Bidder should also share the key profiles and the number of representatives (across OEMs as well) being deployed across the Implementation Phase
- 4) Presence of Bidder Service centres in Mumbai and Hyderabad

The Bidder must satisfy BOTH of the following two categories to qualify for commercial evaluation (Stage 3).

- i. The bidder must comply to scope of the requirement as set out in the RFP and
- ii. The Bidder must comply to all the line items in Annexure 2: Commercial Bill of Materials indicated by The Bank as “(Bidder shall provide their compliance here)” in column “Bidder compliance (Yes/No)” Bidders are required to comply with the requirements stated herein, if any Bidder's response is found to be non-compliant, then The Bank at its discretion may reject the Bid. Hence only the Bidders who have achieved the set compliance will be considered for commercial bid evaluation.
- iii. The Bidder must comply to all the line items in Annexure 12: Minimum Technical Specification indicated by The Bank as “(Bidder shall provide their compliance here)” in column “Bidder compliance (Yes/No)” Bidders are required to comply with the requirements stated herein, if any Bidder's response is found to be non-compliant, then The Bank at its discretion may reject the Bid. Hence only the Bidders who have achieved the set compliance will be considered for commercial bid evaluation.
- iv. For the Solutions, Bank may at its discretion will do Site Visit and/or ask the bidder to do POC (Proof of Concept) and Solution Presentation of the tender components at Banks location and Bank has a right to disqualify Proposed Solution on the basis of same. For the POC bidder has to provide necessary Hardware and Software and its transportation at no cost to Bank. POC should be completed within 7 days of intimation to the Bidder to start POC for the Solutions.

Stage-3 Commercial Evaluation Criteria with Reverse Auction

Only those Bidders who have qualified after Stage 2 of Technical evaluation will be eligible for the Commercial Evaluation Criteria as per GeM rules. The total cost of ownership for the purpose of evaluation shall be calculated over the contract period of 5 years.

Bank will award the contract to the successful Bidder, whose bid has been determined as the Lowest Commercial bid (L1) through the Reverse Auction process of this commercial evaluation through GeM Portal. At the end of 5 years, Bank has the option for extending the AMC/ATS of the in scope components for additional 2 years at the same cost of 5th year AMC/ATS of this tender.

The Total cost of Ownership of this tender will be the Grand Total - TCO quoted by the Bidder of the Summary Sheet of Annexure-2 Commercial Bill of Material.

The Bidder shall not add any conditions / deviations in the commercial bid. Any such conditions / deviations may make the bid liable for disqualification.

The Bank shall be under no obligation to mandatorily accept the lowest or any other offer received and shall be entitled to reject any or all offers without assigning reasons whatsoever.

Bank reserves the right to undertake price negotiation with L1 Bidder / OEM even after getting the L1 price through Reverse Auction if desires so, in order to get further competitive price.

Note: Tendering process need not be cancelled merely on the grounds that a single tender was received provided that the single bid received is evaluated to be substantially responsive and deemed fit for award. Bank reserves right to proceed and award the tender to single bidder in case only one bidder participates in the tender / qualifies in the technical bid evaluation. Bank can negotiate with such single bidder, if required.

19 General Terms

Payment Terms

Payment will be released by the Central office from where the purchase order is issued. All the Payment shall be made in INR only. Payment terms are as under:

Item Description	% Payment	Milestone
Hardware as given in Bill of Material (BOM) e.g.,	60%	On Delivery of Hardware/Appliance based solution
1. Internal Private Cloud Infrastructure x86 Hardware	30%	On Successful Installation of Hardware
2. GPU Server Hardware	10%	3 Months Post go-live of Internal Private Cloud along with Application.
Software	60%	On delivery of Licenses
1. Hypervisor/Virtualisation Software	30%	On Successful Installation & Commissioning of Software
2. Kubernetes Software		
3. GPU Software	10%	3 Months Post go-live of Application.
Implementation Cost of Hardware/Software	100%	On successful installation and Acceptance from Bank
Hardware – AMC	Quarterly	AMC will be paid quarterly in arrears
Software – ATS/Subscription	Quarterly	ATS will be paid quarterly in arrears
FM Services (Bidder/OEM)	Quarterly	FMS Charges shall be paid quarterly in arrears

The payments will be released on submission of invoice to DIT CBD- Belapur through NEFT / RTGS/account credit after deducting the applicable LD/Penalty, TDS if any. The Successful Bidder has to provide necessary Bank Details like Account No., Bank's Name with Branch, IFSC Code, GSTIN, State Code, State Name, HSN Code etc.

Fixed Price

The commercial offer shall be on a fixed price basis, inclusive of all taxes and levies. No price variation relating to increases in customs duty, excise tax, dollar price variation etc. will be permitted. The bidder shall pay any other applicable Taxes being applicable after placement of order, during currency of the project only.

Taxes

- 1) The consolidated fees and charges required to be paid by the Bank against each of the specified components under this RFP shall be all-inclusive amount with currently (prevailing) applicable taxes. The bidder shall provide the details of the taxes applicable in the invoices raised on the Bank. Accordingly, the Bank shall deduct at source, all applicable taxes including TDS from the payments due/ payments to bidder. The applicable tax shall be paid by the bidder to the concerned authorities.
- 2) In case of any variation (upward or down ward) in Government levies / taxes / etc. up-to the date of providing services, the benefit or burden of the same shall be passed on or adjusted to the Bank. If the service provider makes any conditional or vague offers, without conforming to these guidelines, the Bank will treat the prices quoted as in conformity with these guidelines and proceed accordingly.
- 3) Goods and Services Taxes (GST) and its Compliance: -
 - i. Goods and Services Tax Law in India is a Comprehensive, multi-stage, destination-based tax that will be levied on every value addition. Bidder shall have to follow GST Law as per time being enforced along with certain mandatory feature mentioned hereunder.
 - ii. TDS (Tax Deducted on Source) is required to deduct as per applicable under GST Law on the payment made or credited to the supplier of taxable goods and services. It would enhance the tax base and would be compliance and self-maintaining tax law based on processes. The statutory compliances contained in the statutes include obtaining registration under the GST law by the existing assesses as well as new assesses, periodic payments of taxes and furnishing various statement return by all the registered taxable person.
 - iii. It is mandatory to pass on the benefit due to reduction in rate of tax or from input tax credit (ITR) to the Bank by way of commensurate reduction in the prices under the GST Law.
 - iv. If bidder as the case may be, is backlisted in the GST (Goods and Services Tax) portal or rating of a supplier falls below a mandatory level, as decided time to time may be relevant ground of cancellation of Contract.
- 4) Bank shall deduct tax at source, if any, as per the applicable law of the land time being enforced. The Service provider shall pay any other taxes separately or along with GST if any attributed by the Government Authorities including Municipal and Local bodies or any other authority authorized in this regard.

20 Service Level Agreement

Bidder shall ensure compliance with the SLAs defined in the RFP. This section describes the service levels that has been established for the services offered by the bidder to Bank. The bidder shall monitor and maintain the stated service levels to provide quality customer service to Bank.

20.1 Service Levels during implementation phase

- 1) The Bidder is expected to complete the responsibilities that have been assigned as per the implementation timelines mentioned in Section - Project timelines.
- 2) Penalty would be levied for delivery, installation, and implementation delays for in-Scope components (such as product, ATS, Implementation, etc. part of this RFP) and shall be a maximum of 10% of the total cost of that solution from the finalized bidder for the Bank.

20.2 System Availability

System availability is defined as $\{(\text{Scheduled operation time} - \text{system downtime}) / (\text{scheduled operation time})\} * 100\%$.

Where:

- 1) Scheduled operation time means the scheduled operating hours of the System for the month. All planned downtime on the system would be deducted from the total operation time for the month to give the scheduled operation time.
- 2) System downtime subject to the SLA, means accumulated time during which the System is not available to the Bank's users or customers due to in-scope system or infrastructure failure, and measured from the time the Bank and / or its customers log a call with the Bidder's help desk of the failure or the failure is known to Bidder from the availability measurement tools to the time when the System is returned to proper operation.
- 3) Critical and Key infrastructure of Data Centre, Disaster Recovery Centre and Near Site will be supported on 24x7X365 basis.
- 4) Downtime shall commence when the respective hardware and or it's associated software fails.
- 5) Uptime will be computed based on service availability of the in-scope components. Also, non-compliance with performance parameters for business and system / service degradation will be considered for downtime calculation.
- 6) Response may be telephonic or onsite. In case the issue cannot be resolved telephonically, Bidder (as per the criticality and nature of the issue) will provide onsite assistance at respective locations (DC, DRC and Near Site) within response resolution window.
- 7) If any one or more of the components defined in —Critical at the Data Centre, Disaster Recovery Facility and Near Site are down resulting in non-availability of Solution, then affected services / components listed in the —Critical availability measurements table shall be considered for calculating the system downtime.
- 8) Service Levels will be complied with irrespective of the customizations that would undergo during the tenure of the Contract.
- 9) Typical Resolution time will be applicable if services are not available to the Bank's users and customers and there is a denial of agreed services.
- 10) The bidder to provide warranty & ATC support on all days (24X7X365) for period of contract
- 11) Bank has defined in-scope services and corresponding SLAs as under, Bank shall evaluate the performance of the Bidder on these SLAs compliance as per the periodicity defined.
- 12) The Successful Bidder shall provide, as part of monthly evaluation process, reports to verify the Successful Bidder's performance and compliance with the SLAs. Automated data capturing and reporting mechanism will be used for SLA reporting. The Bank will leverage existing/future EMS tools to monitor and manage the Solution/IT Infrastructure.
- 13) If the level of performance of Successful Bidder for a particular metric fails to meet the minimum service level for that metric, it will be considered as a Service Level Default.

- 14) Overall cap for penalties over the tenure of the contract will be 10% (ten percent) of the contract value.
- 15) Penalties if any, as defined by SLAs, shall be adjusted in the payment of a quarter. Balance penalties, if any shall be levied in the payment for the subsequent quarter.
- 16) The Bidder to provide Support contract backline to OEM for the complete duration of contract period. Letter to be provided by OEM for the backline proof, prior to release of payment.
- 17) Bidder agrees to ensure that all the items / products used for delivering services to the Bank including all components are new and are using state of the art technology. Bidder shall provide such proof of the new equipment (e.g. Copy of invoice etc.) to the Bank. In case of software supplied with the system, Successful Bidder shall ensure that the same is licensed and legally obtained in the name of end customer i.e., Bank with valid documentation made available to the Bank.

Note: All service level penalties will be reconciled at the end of every quarter.

20.3 Issue Criticality Classification

- 1) The classification strategy has been envisaged to prioritize problem resolution based on Bank's priorities rather than in an ad-hoc manner. Classification framework will help Bank and the bidder to develop a shared understanding of the issue at hand, as well as the anticipated response and resolution timelines.
- 2) In order to improve the accuracy of the classification of an issue, application specific performance thresholds have been defined based on two characteristics, as mentioned below:
 - i. Impact: Number of users getting affected by the issue
 - ii. Availability: Uptime of the system, both, in absolute terms as well as percentage terms

Criticality Level	IT Infrastructure grouping	Response Times	Resolution Time
Critical	<ul style="list-style-type: none"> System Software such as OS, Middleware, DB, etc. at DC Application Software at DC, for all the in-scope components 	10 Minutes	Within 120 Minutes
Key	<ul style="list-style-type: none"> System Software such as OS, Middleware, DB, etc. at DRC Application Software at DRC, for all the in-scope components 	10 Minutes	Within 240 Minutes
Individual	<ul style="list-style-type: none"> System Software such as OS, Middleware, DB, etc. at DRC Application Software at DRC, for all the in-scope components 	10 Minutes	Within 240 Minutes

- iii. In case of a disaster at DC or DR drill, DRC would be the primary site and then, infrastructure at DRC shall be considered as Critical and penalty shall be computed accordingly
- 3) If any hardware in High Availability (HA) mode fails while other is working with no impact on the availability of the underlying solution/application, in such a case, penalty shall be levied on the failed hardware. The failed hardware in HA mode should be replaced within 12 hours of the failure. If the bidder fails to meet the timeline, Bank shall levy a penalty at

the rate of 1% of the product and services cost [Total Product & Service cost including Product cost (with 1/3 years warranty) + Implementation cost +AMC/ATS cost (for 2/4 Years)], for every 2 hours of delay thereof, on the failed hardware etc.

- 4) If both the hardware components fail in HA mode, Bank shall levy penalty on the bidder for the service levels defaults, basis the service levels requirement mentioned here.
- 5) For three (3) downtime occurrences within a stipulated time window of a calendar month, a sum equivalent to 1% of the product cost of the respective product would be levied as a penalty. This would be over and above the monthly service level default penalty.

20.4 Service Level Default

- 1) Service Levels will be measured on a monthly basis. The Bidder's performance to Service Levels will be assessed against Minimum Expected Service Level requirements for each criterion mentioned in the Availability measurement table.
- 2) An Availability Service Level Default will occur when, the Bidder fails to meet Minimum Service Levels, as measured on a monthly basis, for a particular Service Level.
- 3) Service Levels will include Availability measurements and Performance parameters.
- 4) Bidder will provide Availability Report on monthly basis and a review shall be conducted based on this report. A monthly report shall be provided to the Bank at the end of every month containing the summary of all incidents reported and associated Bidder performance measurement for that period.
- 5) Performance measurements would be accessed through reports, as appropriate to be provided by Bidder e.g. utilization reports, response time measurements reports, etc.
- 6) Cost Reference that is mentioned is billing value for the defaulted period & defaulted component for which SLA will be calculated.
- 7) Reports generated from EMS will be used for monitoring SLA

8) Availability

Service Level Description	Minimum Service Level	Measurement Tools	Cost Reference for the contract period
Availability of Critical Infrastructure	99.96%	Management System	Product cost at DC + Installation cost at DC + AMC & ATS cost at DC
Availability of Key infrastructure	99.3%	Management System	Product cost at DRC + Installation cost at DRC + AMC & ATS cost at DRC
Availability of Key infrastructure	99.3%	Management System	Product cost at location other than DC + Installation cost at the location + AMC & ATS cost at the location

Availability of Individual components not impacting availability of the server/solution infrastructure	96.7%	Management System	From the time of <u>intimation</u> , For every hour of delay thereof, penalty shall be levied at the rate of INR 5000.
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9) Infrastructure Support

- i. Response comprises acknowledgement of the problem and an initial analysis of the underlying cause
- ii. Uptime – The amount of time that the system is available for normal use. (Do note that planned maintenance would also be classified as normal use.)

10) Bank expects the bidder to complete scope of the project including delivery and installation within the timeframe specified in this RFP. Inability of the bidder to either provide the requirements as per the scope or to meet the timelines as specified would be treated as breach of contract and would invoke the penalty clause. The proposed rate of penalty would be 1 % of the value of the affected service or product per week of delay or non-compliance.

11) Delay in migration completion within stipulated timeline would invoke a penalty of INR 25,000 for every day of delay thereof.

12) Overall cap of all the penalties over the tenure of the contract will be 10% (ten percent) of the contract value.

20.5 Performance Measurements

Performance Measurements will be as follows:

Service Level Description	Measurement	Minimum Expected Service Level	Measurement Tools	Monthly Allocation Cost
Percentage of incidents for Critical components	Percentage of incidents completed within defined resolution criteria	100%	Management System	Total Product & Service cost, including Product cost (with 1/3 years warranty) + Implementation cost + ATS cost (for 4/2 years) at DC
Percentage of incidents for Key components	Percentage of incidents completed within defined resolution criteria	99%	Management System	Total Product & Service cost, including Product cost (with 1/3 years warranty) + Implementation cost

Service Level Description	Measurement	Minimum Expected Service Level	Measurement Tools	Monthly Cost Allocation
				+ ATS cost (for 4/2 Years), at DRC
Software Service Requests	Percentage of Software Service Requests concluded (software installation, patches, bug fixes, errors) within defined timeframe/response-resolution window.	95%	Management System	Total cost, including license cost (with 1/3 years warranty) + Installation cost + ATS cost (for 4/2 Years), at DC and DRC
Incident Management	Percentage of incidents escalated according to the Incident Management matrix (as shown in Table 5 below)	99%	Management System	Total cost for relevant product, including license cost (with 1/3 years warranty) + Installation cost + ATS cost (for 4/2 Years), at DC and DRC, whichever, is applicable
Down time for servicing	Each planned down - time for system servicing (up gradation, bug fixing, patch uploads, regular maintenance etc.) will not be more than 4 hours. This activity will not be carried out during business hours. However, such activities which require more than 1 hour or required to be carried out during business hours, will be scheduled in consultation with Bank. In case, downtime exceeds the planned hours, the additional time taken for servicing will be considered for	98%	Management System	For downtime over and above the scheduled / permissible window, penalty of INR 5000 for every 30 minutes of delay above 1 hour of scheduled downtime.

Service Level Description	Measurement	Minimum Expected Service Level	Measurement Tools	Monthly Allocation Cost
	infrastructure or system downtime as per availability measurements table.			
Modification (Customization/ Enhancements) resolution for Application software	Bidder to ensure that all modifications, enhancements reported by the BANK will be duly sized, mutually agreed with the BANK and resolved as per the defined timeframes	96%	Management Solution	Monthly ATS of the affected services

20.6 Penalty Computation

- 1) In the event of Service Level Default, bidder shall pay Bank a penalty that will be computed in accordance with the following formula:
 - i. $\text{Monthly Service Level Default} = \text{Minimum Service Level (for a month)} - \text{Actual Service Level (for a month)}$
- 2) Total amount of penalty, bidder is obligated to pay Bank, shall be reflected on the invoice provided to Bank in the quarter, after the quarter in which the Service Levels were assessed. Bank shall be entitled to deduct the penalty amount from the amounts payable by Bank to the selected bidder as per the invoice.
- 3) **Example**

Scenario	Result
The achieved availability of Server Infrastructure has been measured to be 98% in a particular assessment month.	<p>For this example, let's assume, monthly Availability Service level is of 99.95%; for availability of 98%, penalty invoked would be of 1.95% of total cost of products and services of the failed component.</p> <p><u>Cost Reference for 5-year tenure</u></p> <p>Server equipment cost = INR 1 crores (approximately)</p> <p>Server equipment AMC cost = INR 30,00,000 (approximately)</p> <p>Total cost of product and services for a Server equipment = 1,30,00,000</p> <p>As mentioned above, for Availability Service level default of more than 99.5% and less than 98%, a penalty of 2% would be levied of the total cost of products and services calculated above.</p>

	Thus, 2% of 1, 30,00,000 i.e. INR 2,60,000.
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20.7 Availability Service Credit Computation

- 1) In the event of an Availability Service Level Default, the Bidder shall pay the Bank an Availability Service Credit that will be computed in accordance with the following formula:
 - i. $\text{Monthly Service Level Default} = \text{Minimum Service Level} - \text{Monthly Actual Service Level}$
 - ii. $\text{Availability Service Credit} = \text{Quarterly Service level default} \times (\text{Summation of Cost References})$
- 2) In the event that an Availability Service Level Default has occurred for more than one service level requirement, the sum of the corresponding Availability Service Credits shall be credited to the Bank. Bidder shall review with the Bank, on a monthly basis from the start of Contract Execution, any entitlement of the Bank to an Availability Service Credit.
- 3) The total amount of Availability Service Credit that Bidder is obligated to pay the Bank shall be reflected on the invoice provided to the Bank in the quarter after the quarter in which the Service Levels were assessed. The Bank shall be entitled to deduct the Availability Service Credit amount from the amounts payable by the Bank to the Bidder as per the invoice.

Example 1

Assume for a particular service level requirement (eg: Availability of Key Business Infrastructure Elements), the minimum service level is 99.5% During a Service Assessment period; the service level achieved is 96.5%:

The Product licenses Cost and its associated Software Cost ~ Rs.2 crores

Annual Technical Support Cost ~ Rs.5 crores

Total Cost of Product and Services billing value for the defaulted period & defaulted deliverable ~ Rs.7 crores

The Availability Service Credit due to the Bank would be computed as follows:

Minimum Service Level

Monthly Service Level Default = $M1 = 99.5 - 96.5 = 3$

Availability Service Credit for M1 = $3\% \times (2 \text{ crores} + 5 \text{ crores}) = \text{Rs.}21,00,000$

Bidder has to note that the total cost of products and services is inclusive of taxes for the purpose of computation of the service level and service credit.

20.8 Tables of Incident Matrix

Time within which Incident is to be reported (if unresolved)	Escalation Hierarchy
15 min	Senior Manager-IT of the BANK
1 hour	Chief Manager -IT
2 hours	Assistant General Manager (IT) / Deputy General Manager (IT)
> 4 hours	General Manager (IT)

21 Reporting of Material Adverse Events and Incident Management

The Bidder shall promptly report any material adverse events, including but not limited to data breaches, denial of service attacks, service unavailability, security vulnerabilities, unauthorized access, system failures, or any other incidents that may impact the Bank's operations or data integrity. Such incidents shall be reported to the Bank immediately upon identification, enabling the Bank to take prompt risk mitigation measures and ensure compliance with statutory and regulatory guidelines. The service provider shall provide all relevant details and updates regarding the incident, including the nature, scope, impact, and corrective actions taken, in accordance with the Bank's incident reporting procedures.

22 Insurance

The equipment (hardware/software, etc.) supplied under the contract shall be fully insured by the Service Provider against loss or damage incidental to manufacture or acquisition, transportation, storage, delivery, and installation. The insurance shall be obtained by the Service Provider, naming Central Bank of India as the beneficiary, for an amount equal to 100% of the invoiced value of the goods on an "all risks" basis, covering risks such as damage, theft, fire, or natural disasters. The period of insurance shall remain in effect until the supplied components are accepted by the Bank, and the rights to the property are transferred to the Bank at its premises. In the event of any loss or damage, the Service Provider shall initiate and pursue the claim until settlement. Additionally, the Service Provider must promptly make arrangements for the repair and/or replacement of any damaged items, irrespective of the settlement of the claim by the underwriters. Furthermore, the Service Provider shall ensure that the insurance policy remains valid throughout the supply, transportation, and installation period, and any gaps in coverage shall be rectified immediately. The Service Provider shall also provide the Bank with necessary documentation of the insurance policy, claim details, and any associated correspondence with the underwriters.

23 Order Cancellation

Bank reserves the right to cancel the contract placed on the service provider and recover expenditure incurred by the Bank under the following circumstances. If the service provider commits a breach of any of the terms and conditions of the bid, or if the service provider goes into liquidation, voluntarily or otherwise, the Bank reserves the right to cancel the contract. Additionally, if an attachment is levied or continues to be levied for a period of seven days upon the effects of the bid, the Bank may take appropriate action. If the service provider fails to complete the assignment as per the timelines prescribed in the RFP and any extension allowed, it will be considered a breach of contract, and the Bank reserves its right to cancel the order in the event of delay and forfeit the bid security/performance Bank guarantee as liquidated damages for the delay. If deductions on account of liquidated damages exceed more than 10% of the total contract price, the Bank reserves the right to cancel the contract.

After the award of the contract, if the service provider does not perform satisfactorily or delays execution of the contract, the 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 service provider is bound to make good the additional expenditure that the Bank may have to incur in executing the balance contract. This clause is applicable if, for any reason, the contract is cancelled. The Bank reserves the right to recover any dues payable by the service provider from any amount outstanding to the credit of the service provider, including pending bills and/or invoking the Bank guarantee under this contract.

In addition to the cancellation of the purchase order, the Bank reserves the right to appropriate the damages from the Bid Security / Performance Bank Guarantee given by the service provider and/or foreclose the Bank guarantee given by the service provider against the advance payment and may take appropriate action. Further, in case of failure to adhere to the terms and conditions of the RFP in totality, concealment of facts in the tender documents, or failure to fulfill the contractual obligations of the Purchase order, the Bank may debar/blacklist the service provider from participating in future tender processes. The Bank reserves the right to inform IBA/other Banks about blacklisting the service provider in case of default in service or delay leading to financial or reputational loss, loss of time of the Bank.

24 Indemnity

- 1) The Bidder shall indemnify the Bank, and shall always keep indemnified and hold the Bank, its employees, personnel, officers, directors, harmless from and against any and all losses, liabilities, claims, actions, costs and expenses (including attorney's fees) relating to, resulting directly or indirectly from or in any way arising out of any claim, suit or proceeding brought against the Bank as a result of:
 - i. Bank's authorized / bonafide use of the Deliverables and/or the Services provided by Bidder under this RFP or any or all terms and conditions stipulated in the SLA (Service level Agreement) or PO and/or

- ii. Relating to or resulting directly from infringement of any third party patent, trademarks, copyrights etc. or such other statutory infringements in respect of all components provided to fulfil the scope of this project.
 - iii. An act or omission of the Bidder, employees, agents, sub-contractors in the performance of the obligations of the Bidder under this RFP or, any or all terms and conditions stipulated in the SLA(Service level Agreement) or Purchase Order(PO) and/or
 - iv. Claims made by employees or subcontractors or subcontractors' employees, who are deployed by the Bidder, against the Bank and/or
 - v. Breach of any of the term of this RFP or breach of any representation or false representation or inaccurate statement or assurance or covenant or warranty of the Bidder under this RFP or; any or all terms and conditions stipulated in the SLA (Service level Agreement) or PO and/or
 - vi. Any or all Deliverables or Services infringing any patent, trademarks, copyrights or such other Intellectual Property Rights and/or
 - vii. Breach of confidentiality obligations of the Bidder contained in this RFP or; any or all terms and conditions stipulated in the SLA (Service level Agreement) or PO and/or
 - viii. Negligence or gross misconduct attributable to the Bidder or its employees, agent or sub-contractors.
- 2) The Bidder shall further indemnify the Bank against any loss or damage arising out of claims of infringement of third-party copyright, patents, or other intellectual property issued or registered in India, provided however,
- i. The Bank notifies the Bidder in writing immediately on aware of such claim,
 - ii. The Bidder has sole control of defense and all related settlement negotiations,
 - iii. The Bank provides the Bidder with the assistance, information and authority reasonably necessary to perform the above, and
 - iv. The Bank does not make any statement or comments or representations about the claim without prior written consent of the Bidder, except under due process of law or order of the court. It is clarified that the Bidder shall in no event enter into a settlement, compromise or make any statement (including failure to take appropriate steps) that may be detrimental to the Bank's (and/or its customers, users and Bidders) rights, interest and reputation.

- 3) The Bidder shall compensate the Bank for direct financial loss suffered by the Bank, if the Bidder fails to fix bugs, provide the Modifications / Enhancements / Customization as required by the Bank as per the terms and conditions of this RFP and to meet the Service Levels as per satisfaction of the Bank.
- 4) Additionally, the Bidder shall indemnify, protect and save the Bank against all claims, losses, costs, damages, expenses, action, suits and other proceedings, suffered by Bank due to the following reasons:
 - i. that the Deliverables and Services delivered or provided under this Agreement infringe a patent, utility model, industrial design, copyright, trade secret, mask work or trademark in any country where the Deliverables and Services are used, sold or received; and/or The Bidder shall indemnify the Bank in case of any mismatch of ITC (Input Tax Credit) in the GSTR 2A, where the Bank does not opt for retention of GST component on supplies.
 - ii. all claims, losses, costs, damages, expenses, action, suits and other proceedings resulting from infringement of any patent, trade-marks, copyrights etc. or such other statutory infringements under any laws including the Copyright Act, 1957 or Information Technology Act, 2000 or any Law, rules, regulation, bylaws, notification time being enforced in respect of all the Hardware, Software and network equipment or other systems supplied by them to the Bank from whatsoever source, provided the Bank notifies the Bidder in writing as soon as practicable when the Bank becomes aware of the claim however:
 - The Bidder has sole control of the defense and all related settlement negotiations.
 - The Bank provides the Bidder with the assistance, information and authority reasonably necessary to perform the above and bidder is aware of the rights to make any statements or comments or representations about the claim by Bank or any regulatory authority. Indemnity would be limited to court or arbitration awarded damages and shall exclude indirect and incidental damages and compensations.
- 5) Bidder shall have no obligations with respect to any Infringement Claims to the extent that the Infringement Claim arises or results from:
 - i. Bidder's compliance with Bank's specific technical designs or instructions (except where Bidder knew or should have known that such compliance was likely to result in an Infringement Claim and Bidder did not inform Bank of the same);
 - ii. Inclusion in a Deliverable of any content or other materials provided by Bank and the infringement relates to or arises from such Bank materials or provided material;
 - iii. Modification of a Deliverable after delivery by Bidder to Bank if such modification was not made by or on behalf of the Bidder;
 - iv. operation or use of some or all of the Deliverable in combination with products, information, specification, instructions, data, materials not provided by Bidder;

- or (v) use of the Deliverables for any purposes for which the same have not been designed or developed or other than in accordance with any applicable specifications or documentation provided under the applicable Statement of Work by the Bidder; or
 - v. Use of a superseded release of some or all of the Deliverables or Bank's failure to use any modification of the Deliverable furnished under this Agreement including, but not limited to, corrections, fixes, or enhancements made available by the Bidder.
- 6) In the event that Bank is enjoined or otherwise prohibited, or is reasonably likely to be enjoined or otherwise prohibited, from using any Deliverable as a result of or in connection with any claim for which Bidder is required to indemnify Bank under this section according to a final decision of the courts or in the view of Bidder, Bidder, may at its own expense and option:
- (i) Procure for Bank the right to continue using such Deliverable;
 - (ii) Modify the Deliverable so that it becomes non-infringing without materially altering its capacity or performance;
 - (iii) Replace the Deliverable with work product that is equal in capacity and performance but is non-infringing; or (iv) If such measures do not achieve the desired result and if the infringement is established by a final decision of the courts or a judicial or extrajudicial settlement, the Bidder shall refund the Bank the fees effectively paid for that Deliverable by the Bank subject to depreciation for the period of Use, on a straight line depreciation over a 5 year period basis. The foregoing provides for the entire liability of the Bidder and the exclusive remedy of the Bank in matters related to infringement of third party intellectual property rights.

25 Confidentiality & Non-Disclosure

- 1) The bidder is bound by this agreement for not disclosing the Banks data and other information. Resources working in the premises of the Bank are liable to follow the rules and regulations of the Bank.
- 2) The document contains information confidential and proprietary to the Bank. Additionally, the bidder will be exposed by virtue of the contracted activities to the internal business and operational information of the Bank, affiliates, and/or business partners, disclosure of receipt of this tender or any part of the aforementioned information to parties not directly involved in providing the requested services could result in the disqualification of the bidders, premature termination of the contract, or legal action against the bidder for breach of trust.
- 3) No news release, public announcement or any other reference to the order, relating to the contracted work if allotted with the assignment or any program hereunder shall be made without written consent from the Bank.
- 4) As the bidder providing support services for multiple Banks, the bidder at all times should take care to build strong safeguards so that there is no mixing together of information/ documents, records and assets is happening by any chance.
- 5) The bidder should undertake to maintain confidentiality of the Banks information even after the termination / expiry of the contracts.

- 6) The Non-Disclosure Agreement (NDA) should be entered in to between the Bank and the successful bidder within a period of 21 days from, the date of acceptance of purchase order.

Guarantee on Software License

The bidder shall guarantee that the software supplied under this contract to the Bank is licensed and legally obtained. Software supplied should not have any embedded malicious and virus programs. Bidder must comply RBI circular on “Cyber Security Framework for Banks” and assurance from the respective OEMs/Application providers that the application is free from embedded malicious/fraudulent code

26 Force Majeure

- 1) The parties shall not be liable for default or non-performance of the obligations under the contract, if such default or non-performance of the obligations under this contract is caused by any reason or circumstances or occurrences beyond the control of the parties, as a result of force majeure. For the purpose of this clause, “Force Majeure” shall mean an event beyond the control of the parties, including but not limited to, due to or as a result of or caused by acts of God, wars, epidemic/pandemic, insurrections, riots, earth quake and fire, events not foreseeable but does not include any fault or negligence or carelessness on the part of the parties, resulting in such a situation.
- 2) In the event of any such intervening Force Majeure, each party shall notify the other party in writing of such circumstances and the cause thereof immediately within seven business days. Unless otherwise directed by the other party, the party pleading Force Majeure shall continue to perform/render/discharge other obligations as far as they can reasonably be attended/fulfilled and shall seek all reasonable alternative means for performance affected by the Event of Force Majeure.
- 3) In such a case, the time for performance shall be extended by a period(s) not less than the duration of such delay. If the duration of delay continues beyond a period of three months due to force majeure situation, the parties shall hold consultations with each other in an endeavour to find a solution to the problem. However bidder shall be entitled to receive payments for all services actually rendered up to the date of termination of date of agreement. The financial constraints by way of increased cost to perform the obligations shall not be treated as a force majeure situation if the obligations can otherwise be performed.

27 Resolution of Disputes

- 1) The Bank and the bidder shall make every effort to resolve amicably, by direct informal negotiation, any disagreement or dispute arising between them under or in connection with the contract. If after thirty days from the commencement of such informal negotiations, the Bank and the Bidder have been unable to resolve amicably a contract dispute, either party may require that the dispute be referred for resolution by formal arbitration.
- 2) All questions, disputes or differences arising under and out of, or in connection with the contract shall be referred to a sole arbitrator to be appointed mutually by the parties and in case of failure to appoint a sole arbitrator within 15 days from the raising of dispute the same shall be referred to the Arbitration Tribunal: one Arbitrator to be

nominated by the Bank and the other to be nominated by the Bidder and the Presiding Arbitrator shall be appointed by the two Arbitrators appointed by the parties.

- 3) The decision of the Arbitration Tribunal shall be final and binding on the parties. The Arbitration and Reconciliation Act 1996 shall apply to the arbitration proceedings and the venue of the arbitration shall be Mumbai. The Language of Arbitration will be English. Notwithstanding the existence of a dispute, and/or the commencement of arbitration proceedings, bidder will continue to perform its contractual obligations and the Bank will continue to pay for all products and services that are accepted by it, provided that all products and services are serving as per the agreed scope between the parties.
- 4) If a notice has to be sent to either of the parties following the signing of the contract, it has to be in writing and shall be first transmitted by facsimile transmission, by postage prepaid registered post with acknowledgement due or by a reputed courier service, in the manner as elected by the Party giving such notice. All notices shall be deemed to have been validly given on (i) the business date immediately after the date of transmission with confirmed answer back, if transmitted by facsimile transmission, or (ii) on the date of acknowledgment signed by the receiver or (iii) the business date of receipt, if sent by courier.
- 5) This RFP shall be governed and construed in accordance with the laws of India. The courts of Mumbai alone and no other courts shall be entitled to entertain and try any dispute or matter relating to or arising out of this RFP.

28 Format of the Letter of undertaking of Authenticity to be submitted by the Bidder.

The successful bidder has to submit the letter of undertaking of Authenticity and Undertaking at the time of acceptance of the letter of intent. The undertaking from OEMs needs to be provided to the Bank for the activities owned by them in coordination with the bidder as per the details mentioned in the document along with the pricing. The format for the same is as below.

“We undertake that all the components/parts/software used in the supplied devices shall be original, new components/ parts/ software only, from respective OEM/OSDs of the products and that no refurbished/ duplicate/ second hand components/ parts/ software are being used or shall be used.

We also undertake that in respect of licensed operating system, if asked for by you in the Purchase Order, the same shall be supplied along with the authorized license certificate and also that it shall be sourced from the authorized source.

We hereby undertake to produce the certificate from our OEM/OSD supplier in support of above undertaking at the time of implementation. It will be our responsibility to produce such letters from our OEM/OSD suppliers at the time of release of PO or within a reasonable time. In case of default and we are unable to comply with the above at the time of delivery or during installation, for the software items already billed, we agree to take back the software/items without demur, if already supplied and return the money, if any paid to us by you in this regard”.

29 Sub-Contractor/ Independent Contractor

Nothing herein contained will be construed to imply a joint venture, partnership, principal agent relationship or co-employment or joint employment between the Bank and Bidder. Bidder, in furnishing services to the Bank hereunder, is acting only as an independent contractor. Bidder does not undertake by this Agreement or otherwise to perform any obligation of the Bank, whether regulatory or contractual, or to assume any responsibility for the Bank's business or operations. The parties agree that, to the fullest extent permitted by applicable law; Bidder has not, and is not, assuming any duty or obligation that the Bank may owe to its customers or any other person. The bidder shall follow all the rules, regulations statutes and local laws and shall not commit breach of any such applicable laws, regulations etc. In respect of sub-contracts, as applicable – If required by the Bidders, should provide complete details of any subcontractor/s used for the purpose of this engagement. It is clarified that notwithstanding the use of sub-contractors by the Bidder, the Bidder shall be solely responsible for performance of all obligations under the SLA/NDA (Non-Disclosure Agreement) irrespective of the failure or inability of the subcontractor chosen by the Bidder to perform its obligations. The Bidder shall also have the responsibility for payment of all dues and contributions, as applicable, towards statutory benefits including labour laws for its employees and sub-contractors or as the case may be. Bidder should take Bank's prior written permission before subcontracting/ resource outsourcing of any work related to the performance of this RFP or as the case may be, which permission shall not be unreasonably withheld by the Bank. The bidder should ensure that the due diligence and verification of antecedents of employees/personnel deployed by him for this project are completed and is available for scrutiny by the Bank.

30 Assignment

Bank may assign the Project and the solution and services provided therein by Bidder in whole or as part of a corporate reorganization, consolidation, merger, or sale of substantially all of its assets. The Bank shall have the right to assign such portion of the facilities management services to any of the Contractor/sub-contractor, at its sole option, upon the occurrence of the following: (i) Bidder refuses to perform; (ii) Bidder is unable to perform; (iii) termination of the contract with Bidder for any reason whatsoever; (iv) expiry of the contract. Such right shall be without prejudice to the rights and remedies, which the Bank may have against Bidder. Bidder shall ensure that the said sub-contractors shall agree to provide such services to the Bank at no less favourable terms than that provided by Bidder and shall include appropriate wordings to this effect in the agreement entered into by Bidder with such sub-contractors. The assignment envisaged in this scenario is only in certain extreme events such as refusal or inability of Bidder to perform or termination/expiry of the contract/project.

31 Execution of Contract, SLA & NDA

The bidder and Bank should execute:

- 1) Contract, which would include all the services and terms and conditions of the services to be extended as detailed herein and as may be prescribed by the Bank and
- 2) Non-disclosure Agreement.
- 3) The bidder should execute the contract, SLA and NDA within 21 days from the date of acceptance of the Purchase Order. In case of any discrepancy among the RFP, SLA and Purchase Order, the RFP clauses shall prevail.

32 Bidder's Liability

The Bidders aggregate liability in connection with obligations undertaken as a part of the project regardless of the form or nature of the action giving rise to such liability (whether in contract, tort or otherwise), shall be at actuals and limited to the value of the contract. The Bidders liability in case of claims against the Bank resulting from wilful misconduct or gross negligence of the Bidder, its employees and subcontractors or from infringement of patents, trademarks, copyrights(if any) or breach of confidentiality obligations shall be unlimited. In no event shall the Bank be liable for any indirect, incidental or consequential damages or liability, under or in connection with or arising out of this tender and subsequent agreement or services provided. The bidder should ensure that the due diligence and verification of antecedents of employees/personnel deployed by him for execution of this contract are completed and is available for scrutiny by the Bank. . Subject to any law to contrary, and to the maximum extent permitted by law neither party shall be liable to other for any remote and indirect loss or damages arising out of this tender and subsequent agreement or services provided.

33 Information Ownership

All information transmitted by successful Bidder belongs to the Bank. The Bidder does not acquire implicit access rights to the information or rights to redistribute the information unless and until written approval sought in this regard. The Bidder understands that civil, criminal, or administrative penalties may apply for failure to protect information appropriately, which is proved to have caused due to reasons solely attributable to bidder. Any information considered sensitive by the Bank must be protected by the successful Bidder from unauthorized disclosure, modification or access. The Bank's decision will be final if any unauthorized disclosure have encountered. Types of sensitive information that will be found on Bank system's which the Bidder plans to support or have access to include, but are not limited to: Information subject to special statutory protection, legal actions, disciplinary actions, complaints, IT security, pending cases, civil and criminal investigations, etc. The successful Bidder shall not publish or disclose in any manner, without the Bank's prior written consent, the details of any security safeguards designed, developed, or implemented by the Bidder or existing at any of the Bank location. The Bidder will have to also ensure that all sub-contractors who are involved in providing such security safeguards or part of it shall not publish or disclose in any manner, without the Bank's prior written consent, the details of any security safeguards designed, developed, or implemented by the Bidder or existing at any Bank location.

34 Inspection, Audit, Review, Monitoring & Visitations

All OEM/Bidder records with respect to any matters / issues covered under the scope of this RFP/project shall be made available to the Bank at any time during normal business hours, not more than 2 audits per year, to audit, examine, and make excerpts or transcripts of all relevant data. Such records are subject to examination. The cost of such audit will be borne by the Bank. Bidder shall permit audit by internal/external auditors of the Bank or RBI to assess the adequacy of risk management practices adopted in overseeing and managing the outsourced activity/arrangement made by the Bank. Bank shall undertake a periodic review of service provider/BIDDER outsourced process to identify new outsourcing risks as they arise. The BIDDER shall be subject to risk management and security and privacy policies that meet the

Bank's standard. In case the BIDDER outsourced to third party, there must be proper Agreement / purchase order with concerned third party. The Bank shall have right to intervene with appropriate measure to meet the Bank's legal and regulatory obligations. Access to books and records/Audit and Inspection would include:-

- 1) Ensure that the Bank has the ability to access all books, records and information relevant to the outsourced activity available with the BIDDER. For technology outsourcing, requisite audit trails and logs for administrative activities should be retained and accessible to the Bank based on approved request.
- 2) Provide the Bank with right to conduct audits on the BIDDER whether by its internal or external auditors, or by external specialist appointed to act on its behalf and to obtain copies of any audit or review reports and finding made on the service provider in conjunction with the services performed for the Bank.
- 3) Include clause to allow the reserve Bank of India or persons authorized by it to access the Bank's documents: records of transactions, and other necessary information given to you, stored or processed by the BIDDER within a reasonable time. This includes information maintained in paper and electronic formats.
- 4) Recognized the right of the reserve Bank to cause an inspection to be made of a service provider of the Bank and its books and account by one or more of its officers or employees or other persons. Banks shall at least on an annual basis, review the financial and operational condition of the BIDDER. Bank shall also periodically commission independent audit and expert assessment on the security and controlled environment of the BIDDER. Such assessment and reports on the BIDDER may be performed and prepared by Bank's internal or external auditors, or by agents appointed by the Bank.
- 5) Any such audit shall be conducted expeditiously, efficiently, and at reasonable business hours after giving due notice to the Bidder which shall not be less than 10 days. The Bank shall not have access to the proprietary data of, or relating to, any other customer of Bidder, or a third party or Bidder's cost, profit, discount and pricing data. The audit shall not be permitted if it interferes with Bidder's ability to perform the services in accordance with the service levels, unless the Bank relieves Bidder from meeting the applicable service levels. The audit shall not be performed by any competitor of the Bidder. The auditor including regulatory auditor shall sign the confidentiality undertaking with the Bidder before conducting such audit.

35 Monitoring

Compliance with Information security best practices may be monitored by periodic Information security audits performed by or on behalf of the Bank and by the RBI. The periodicity of these audits will be decided at the discretion of the Bank. These audits may include, but are not limited to, a review of: access and authorization procedures, physical security controls, backup and recovery procedures, network security controls and program change controls. To the extent that the Bank deems it necessary to carry out a program of inspection and audit to safeguard against threats and hazards to the confidentiality, integrity, and availability of data, the Service Provider shall afford the Bank's representatives access to the Bidder's facilities, installations, technical resources, operations, documentation, records, databases and personnel. The Bidder must provide the Bank access to various monitoring and performance measurement systems (both manual and automated). The Bank has the right to get the monitoring and performance measurement systems (both manual and automated) audited by prior notice to the Bidder.

36 Visitations

The Bank shall be entitled to, either by itself or its authorized representative, visit any of the Bidder's premises by prior notice to ensure that data provided by the Bank is not misused.

The Bidder shall cooperate with the authorized representative(s) of the Bank and shall provide all information/ documents\required by the Bank.

37 Information Security

System should have standard input, communication, processing and output validations and controls. System hardening should be done by bidder. Access controls at DB, OS, and Application levels should be ensured. Bidder should comply with the Information Security Policy of the Bank. The Product offered should comply with regulator's guidelines. The bidder shall disclose security breaches if any to the Bank, without any delay.

38 Intellectual Property Rights

The Bidder claims and represents that it has obtained appropriate rights to provide the Deliverables upon the terms and conditions contained in this RFP. The Bank agrees and acknowledges that same as expressly provided in this RFP, all Intellectual Property Rights in relation to the Hardware, Software and Documentation and any adaptations, translations and derivative works thereof whether protectable as a copyright, trade mark, patent, trade secret design or otherwise, provided by the Bidder during, in connection with or in relation to fulfilling its obligations under this RFP belong to and shall remain a property of the Bidder or its licensor. During the Term of this Project and, if applicable, during the Reverse Transition Period, Bank grants Bidder a right to use at no cost or charge the Hardware and Software licensed to the Bank, solely for the purpose of providing the Services.

The Bidder shall be responsible for obtaining all necessary authorizations and consents from third party licensors of Hardware and Software used by Bidder in performing its obligations under this Project. If a third party's claim endangers or disrupts the Bank's use of the Hardware and Software, the Bidder shall at no further expense, charge, fees or costs to the Bank,

- Obtain a license so that the Bank may continue use of the Software in accordance with the terms of this tender and subsequent Agreement and the license agreement; or
- Modify the Software without affecting the functionality of the Software in any manner so as to avoid the infringement; or
- Replace the Software with a compatible, functionally equivalent and non-infringing product. All third party Hardware/software / service/s provided by the bidder in the scope of the RFP will be the responsibility of the bidder if any discrepancy or infringement is encountered. The Bank shall not be held liable for and is absolved of any responsibility or claim/Litigation or penal liability arising out of the use of any third party software or modules supplied by the Bidder as part of this Project.

Bidder's Proprietary Software and Pre-Existing IP:- Bank acknowledges and agrees that this is a professional services agreement and this agreement is not intended to be used for licensing of any Bidder 's proprietary software or tools. If Bidder and Bank mutually agree that the Bidder provides to Bank any proprietary software or tools of Bidder or of a third party, the parties shall negotiate and set forth the applicable terms and conditions in a separate license agreement and the provisions of this Clause shall not apply to any deliverables related to

customization or implementation of any such proprietary software or products of Bidder or of a third party. Further, Bank acknowledges that in performing Services under this Agreement Bidder may use Bidder's proprietary materials including without limitation any software (or any part or component thereof), tools, methodology, processes, ideas, know-how and technology that are or were developed or owned by Bidder prior to or independent of the Services performed hereunder or any improvements, enhancements, modifications or customization made thereto as part of or in the course of performing the Services hereunder, ("Bidder Pre-Existing IP"). Notwithstanding anything to the contrary contained in this Agreement, Bidder shall continue to retain all the ownership, the rights title and interests to all Bidder Pre-Existing IP and nothing contained herein shall be construed as preventing or restricting Bidder from using Bidder Pre-Existing IP in any manner. To the extent that any Bidder Pre-Existing IP or a portion thereof is incorporated or contained in a deliverable under this Agreement, Bidder hereby grants to Bank a non-exclusive, perpetual / subscription, royalty free, fully paid up, irrevocable license, with the right to sublicense through multiple tiers, to use, copy, install, perform, display, modify and create derivative works of any such Bidder Pre-Existing IP in connection with the deliverables and only as part of the Deliverables in which they are incorporated or embedded. The foregoing license does not authorize Bank to (a) separate Bidder Pre-Existing IP from the deliverable in which they are incorporated for creating a stand-alone product for marketing to others; (b) independently sell, lease, exchange, mortgage, pledge, license, sub license, assign or in any other way convey, transfer or alienate the Bidder Pre-Existing IP in favour of any person (either for commercial consideration or not (including by way of transmission), and/or (c) except as specifically and to the extent permitted by the Bidder in the relevant Statement of Work, reverse compile or in any other way arrive at or attempt to arrive at the source code of the Bidder Pre-Existing IP.

Residuary Rights. Each Party shall be entitled to use in the normal course of its business and in providing same or similar services or development of similar deliverables for its other clients, the general knowledge and experience gained and retained in the unaided human memory of its personnel in the performance of this Agreement and Statement of Work(s) hereunder. For the purposes of clarity the Bidder shall be free to provide any services or design any deliverable(s) that perform functions same or similar to the deliverables being provided hereunder for the Client, for any other customer of the Bidder (including without limitation any affiliate, competitor or potential competitor of the Bank. Nothing contained in this Clause shall relieve either party of its confidentiality obligations with respect to the proprietary and confidential information or material of the other party

39 Termination

39.1 Termination for Default

The Bank, without prejudice to any other remedy for breach of contract, by 60 (Sixty) days written notice of default sent to the Successful Bidder, may terminate this Contract in whole or in part:

- 1) if the Successful Bidder fails to deliver any or all of the deliverables / milestones within the period(s) specified in the Contract, or within any extension thereof granted by the Bank provided the failure is for the reasons which are solely and entirely attributable to the Bidder and not due to reasons attributable to Bank and/or its other vendors or due to reasons of Force Majeure; or;

- 2) If the Successful Bidder fails to perform any other material obligation(s) under the contract provided the failure is for the reasons which are solely and entirely attributable to the Bidder and not due to reasons attributable to Bank and/or its other vendors or due to reasons of Force Majeure.
- 3) If the Successful Bidder, in the judgment of the Bank has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

Prior to providing a written notice of termination to the Selected Bidder, Bank shall provide the selected bidder with a written notice of 30 days to cure any breach of the Contract. The decision to terminate the contract shall be taken only if the breach continues or remains unrectified, for reasons within the control of Bidder, even after the expiry of the cure period.

Bidder shall also have the right to terminate the agreement if the Bank commits a breach of the terms and conditions of the agreement and, where such breach is curable, fails to cure the same within 15 days provided for curing such breach.

In case the contract is terminated then all undisputed payment for the services delivered till the date of termination will be given to successful bidder, but disputed payment shall be discussed and will be paid once the dispute is resolved.

39.2 Termination for Convenience

The Bank reserves the right to terminate the agreement with the other party at any time by giving 30 (thirty) days prior written notice to the other party.

39.3 Termination for Insolvency

If either party becomes Bankrupt or insolvent, has a receiving order issued against it, with its creditors, or, a resolution is passed or order is made for its winding up (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), a receiver is appointed over any part of its undertaking or assets, or if either party takes or suffers any other analogous action in consequence of debt; then other party plans to, at any time, terminate the contract by giving written notice of 60 days to the party becoming Bankrupt etc. If the contract is terminated by either party in terms of this Clause, Bank shall be liable to make payment of the entire amount due under the contract for which services have been rendered by the Selected Bidder.

39.4 Termination- Key Terms & Conditions

Either Party reserves the right to terminate the agreement with the other party at any time by giving 30 (thirty) days notice if the other party.

- 1) has a winding up order made against it; or
- 2) has a receiver appointed over all or substantial assets; or
- 3) is or becomes unable to pay its debts as they become due; or
- 4) enters into any arrangement or composition with or for the benefit of its creditors; or
- 5) Passes a resolution for its voluntary winding up or dissolution or if it is dissolved.

39.5 Right to Transfer IT Outsourcing Arrangements

In the event of termination, the Bank reserves the right to orderly transfer the proposed IT outsourcing arrangement to another service provider, if necessary or desirable, to ensure

minimal disruption of services. This transfer shall be managed in an efficient manner, with the bidder cooperating fully with the Bank to facilitate this process, including transferring knowledge, data, and providing assistance as required.

39.6 Exit Option & Contract Re-Negotiation

The Bank reserves the right to cancel the contract in the event of happening one or more of the following Conditions:

- 1) Failure of the successful bidder to accept the contract and furnish the Performance Guarantee within 21 days of receipt of purchase contract.
- 2) Substantial delay in delivery, performance or implementation of the solution beyond the specified period.
- 3) Serious discrepancy in functionality to be provided or the performance levels agreed upon, which have an impact on the functioning of The Bank. Inability of the Bidder to remedy the situation within 60 days from the date of pointing out the defects by The Bank. (60 days will be construed as the notice period)

In addition to the cancellation of purchase contract, Bank reserves the right to appropriate the damages through encashment of Bid Security / Performance Guarantee given by the Bidder.

Notwithstanding the existence of a dispute, and/or the commencement of arbitration proceedings, the Bidder will be expected to continue to provide services to the Bank as per the contract. Bank will continue to pay for all products and services that are accepted by it provided that all products and services as serving as per the agreed scope between the parties. The Bank shall have the sole and absolute discretion to decide whether proper reverse transition mechanism over a period of 6 to 12 months, has been complied with. In the event of the conflict not being resolved, the conflict will be resolved through Arbitration. The Bank and the Bidder shall together prepare the Reverse Transition Plan. However, The Bank shall have the sole decision to ascertain whether such Plan has been complied with. Reverse Transition mechanism would typically include service and tasks that are required to be performed / rendered by the Bidder to The Bank or its designee to ensure smooth handover and transitioning of Bank's deliverables, maintenance and services.

40 Privacy & Security Safeguards

- 1) The Bidder shall not publish or disclose in any manner, without the Bank's prior written consent, the details of any security safeguards designed, developed, or implemented by the Bidder or existing at any Bank location. The Bidder will have to develop procedures and implementation plans to ensure that IT resources leaving the control of the assigned user (such as being reassigned, removed for repair, replaced, or upgraded) are cleared of all Bank data and sensitive application software. The Bidder will have to also ensure that all subcontractors who are involved in providing such security safeguards or part of it shall not publish or disclose in any manner, without the Bank's prior written consent, the details of any security safeguards designed, developed, or implemented by the Bidder or existing at any Bank location.
- 2) The Bidder hereby agrees and confirms that they will disclose, forthwith, instances of security breaches.
- 3) The Bidder hereby agrees that they will preserve the documents.

- 4) The Bidder shall provide to the Bank, the details of all data related to the Bank and its customers that the service Provider captures, Processes and stores.
- 5) The Bidder may only share customer data with third parties when legally required, with prior consent, or for necessary operational purposes, ensuring compliance with confidentiality and data protection agreements.

41 Governing Law and Jurisdiction

The provisions of this RFP and subsequent Agreement shall be governed by the laws of India. The disputes, if any, arising out of this RFP/Agreement shall be submitted to the jurisdiction of the courts/tribunals in Mumbai.

Statutory and Regulatory Requirements

The solution must comply with all applicable requirements defined by any regulatory, statutory or legal body which shall include but not be limited to RBI or other Regulatory Authority, judicial courts in India and as of the date of execution of Agreement. This requirement shall supersede the responses provided by the Bidder in the technical response. During the period of warranty / ATS Bidder should comply with all requirements including any or all reports without any additional cost, defined by any regulatory authority time to time and which fall under the scope of this RFP / Agreement. All mandatory requirements by regulatory / statutory bodies will be provided by the bidder under change management at no extra cost to the Bank during the tenure of the contract.

42 Compliance

- 1) The Service Provider (SP) agrees to comply with all applicable laws, regulations, and industry standards, including but not limited to the **Information Technology Act, 2000, Digital Personal Data Protection Act, 2023, RBI's "Master Direction on Outsourcing of Information Technology Services** and any other relevant data protection or privacy laws. The SP shall ensure that the products and services provided under this agreement comply with all regulatory requirements, including guidelines set by authorities such as the **Reserve Bank of India (RBI)** and **FEMA**.

43 Monitoring and Assessment

Compliance with Information Security best practices shall be continuously monitored and assessed through periodic Information Security audits performed by or on behalf of the Bank, and by the Reserve Bank of India (RBI). The Bank shall have discretion over the frequency of these audits, which will be determined based on the nature and requirements of the services provided. These audits may include, but are not limited to, a review of:

- a. Access and Authorization Procedures
- b. Physical Security Controls
- c. Backup and Recovery Procedures
- d. Network Security Controls

e. Program Change Controls

To the extent that the Bank deems it necessary to carry out a program of inspection and audit to safeguard against threats and hazards to the confidentiality, integrity, and availability of data, the SP shall afford the Bank's representatives access to the SP's facilities, installations, technical resources, operations, documentation, records, databases, and personnel.

The SP shall provide the Bank with access to various monitoring and performance measurement systems (both manual and automated) used in the course of the services. The Bank shall have the right to audit these systems and processes with prior approval or notice to the SP. This includes conducting audits of the SP's monitoring and performance measurement systems to ensure compliance with applicable regulations and security standards.

In addition, the Bank shall conduct regular monitoring and assessment of the Service Provider's performance and risk management practices throughout the contract term. This continuous monitoring and assessment will ensure that the Bank can holistically manage and evaluate the ongoing risks associated with the services, detect any emerging risks, and ensure that all necessary corrective actions can be promptly taken to address any issues identified during the assessments.

Regular assessments will include evaluations of the SP's operational performance, risk management processes, adherence to security and regulatory requirements, and overall service delivery. The Bank shall work with the SP to address any gaps or non-compliance identified in the assessments, ensuring that corrective measures are immediately implemented.

44 Entire Agreement

The Agreement constitutes the entire agreement between the parties and supersedes all previous agreements, promises, proposals, representations, understandings, and negotiations whether written or oral, between the parties respecting the subject matter hereof.

45 Reporting of Material Adverse Events and Incident Management

The service provider shall promptly report any material adverse events, including but not limited to data breaches, denial of service attacks, service unavailability, security

vulnerabilities, unauthorized access, system failures, or any other incidents that may impact the bank's operations or data integrity. Such incidents shall be reported to the bank immediately upon identification, enabling the bank to take prompt risk mitigation measures and ensure compliance with statutory and regulatory guidelines. The service provider shall provide all relevant details and updates regarding the incident, including the nature, scope, impact, and corrective actions taken, in accordance with the bank's incident reporting procedures.

46 Back-to-Back Arrangements with OEM

The Service Provider shall ensure that suitable back-to-back agreements or arrangements are in place with Original Equipment Manufacturers (OEMs) to guarantee the provision of required products, services, and support. These arrangements must align with the terms and service levels defined in this Agreement, ensuring that the Service Provider can meet its obligations to the Customer and address any issues related to the OEM products or services in a timely and efficient manner. The Service Provider is responsible for ensuring that the OEM's support and performance meet the agreed-upon standards, and for providing any necessary escalations or resolutions in the event of failure by the OEM to meet such standards.

47 Essential Personal and Backup Arrangements

The Service Provider shall designate and maintain a pool of skilled resources who will be considered "essential personnel" for the delivery of core services under this Agreement. These personnel will be responsible for ensuring the continuity of critical functions, particularly during exigent circumstances such as emergencies, natural disasters, or pandemics. In the event of such situations, the Service Provider shall implement necessary backup arrangements to ensure that a limited but sufficient number of essential personnel are available to work on-site to support critical operations. The Service Provider shall make reasonable efforts to ensure the safety and well-being of these personnel while maintaining the uninterrupted delivery of critical services. The Service Provider shall notify the Customer promptly of any significant changes to the availability or capacity of essential personnel, as well as any potential impact on service delivery.

48 Waiver

No waiver of any provision of this Agreement or any of the rights or obligations hereunder shall be effective unless in writing and executed by both parties. A waiver of any breach of any provision of this Agreement shall not be construed as a waiver of any subsequent breach of the same or any other provision. The failure of either party to enforce any provision of this Agreement shall not be deemed a waiver of that provision or of the right of that party thereafter to enforce the same. Any waiver, consent, or approval under this Agreement shall be effective only if it is in writing and signed by the party giving such waiver, consent, or approval.

49 Visitorial Rights

The Bank and its authorized representatives reserve the right to visit any of the Service Provider's premises without prior notice to ensure that data provided by the Bank is not misused. The Service Provider shall cooperate with the authorized representative/s of the Bank and shall provide all information/ documents required by the Bank. Non-cooperation by the Service Provider in this regard will be treated as breach of agreement/Purchase Order and will follow the consequences accordingly.

50 Conflict of Interest

Bank requires that bidder provide professional, objective, and impartial advice and at all times hold Bank's interest paramount, strictly avoid conflicts with other Assignment(s)/ Job(s) or their own corporate interests and act without any expectations/ consideration for award of any future assignment(s) from Bank.

Bidder have an obligation to disclose any situation of actual or potential conflict in assignment/job, activities and relationships that impacts their capacity to serve the best interest of Bank, or that may reasonably be perceived as having this effect. If the Bidder fails to disclose said situations and if Bank comes to know about any such situation at any time, it may lead to the disqualification of the Bidder during bidding process or the termination of its Contract during execution of assignment.

51 Adherence to Cyber Security Policy

- 1) Vendors are responsible for complying with the security standards or desired security aspects of all the ICT resources in line with regulatory guidelines from time to time as well as Bank's IT/Information Security / Cyber Security Policy guidelines. Such guidelines will be shared with Vendor.
- 2) Vendor should ensure Data Security and protection of facilities/application managed by them. The deputed persons should be aware about Bank's IT/IS/Cyber security policy guidelines and have to maintain the utmost secrecy & confidentiality of the Bank's data including process performed. At any time, if it comes to the notice of the Bank that data has been compromised/disclosed/misused/misappropriated then Bank would take suitable action as deemed fit and selected vendor would be required to fully compensate the Bank of loss incurred by the Bank.
- 3) Vendor has to agree and provide undertaking not to disclose any Bank information and will maintain confidentiality of Bank information as per policy of the Bank and will sign "Non-Disclosure Agreement" document provided by Bank.
- 4) The Service provider shall put in place necessary controls within its organization for maintaining confidentiality of the Bank's and its customer's data.

52 Compliance with Laws

- 1) Compliance with all applicable laws: Successful bidder shall undertake to observe, adhere to, abide by, comply with the Bank about all laws in force or as are or as made applicable in future, pertaining to or applicable to them, their business, their employees or their obligations towards them and all purposes of this scope of work.
- 2) Compliance in obtaining approvals/permissions/licenses: Bidder shall promptly and timely obtain all such consents, permissions, approvals, licenses, etc., as may be necessary or required for any of the purposes of this project or for the conduct of their own business under any applicable Law, Government Regulation/Guidelines and shall keep the same valid and in force during the term of the project.

53 Violation of Terms

The Bank clarifies that the Bank shall be entitled to an injunction, restraining order, right for recovery, specific performance or such other equitable relief as a court of competent jurisdiction may deem necessary or appropriate to restrain the bidder from committing any violation or enforce the performance of the covenants, obligations and representations contained under the RFP/Agreement. These injunctive remedies are cumulative and are in addition to any other rights and remedies the Bank may have at law or in equity, including without limitation a right for recovery of any amounts and related costs and a right for damages-

54 Corrupt & Fraudulent Practices

As per Central Vigilance Commission (CVC) directives, it is required that Bidders / Suppliers / Contractors observe the highest standard of ethics during the procurement and execution of such contracts in pursuance of this policy:

“Corrupt Practice” means the offering, giving, receiving or soliciting of anything of values to influence the action of an official in the procurement process or in contract execution AND

“Fraudulent Practice” means a misrepresentation of facts in order to influence a procurement process or the execution of contract to the detriment of The Bank and includes collusive practice among Bidders (prior to or after offer submission) designed to establish offer prices at artificial non-competitive levels and to deprive The Bank of the benefits of free and open competition.

The Bank reserves the right to reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question. The Bank reserves the right to declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract if at any time it determines that the firm has engaged in corrupt or fraudulent practices in competing for or in executing the contract.

55 Publicity

Any publicity by either party in which the name of the other party is to be used should be done only with the explicit written permission of such other party.

56 Entire Agreement; Amendments

This RFP sets forth the entire agreement between the Bank and the Successful bidder and supersedes any other prior proposals, agreements and representations between them related to its subject matter, whether written or oral. No modifications or amendments to this Agreement shall be binding upon the parties unless made in writing, duly executed by authorized officials of both parties.

57 Survival and Severability

Any provision or covenant of the RFP, which expressly, or by its nature, imposes obligations on successful bidder shall so survive beyond the expiration, or termination of this Agreement. The invalidity of one or more provisions contained in this Agreement shall not affect the remaining portions of this Agreement or any part thereof; and in the event that one or more provisions shall be declared void or unenforceable by any court of competent jurisdiction, this Agreement shall be construed as if any such provision had not been inserted herein.

58 Bidding Document

The bidder is expected to examine all instructions, forms, terms and conditions and technical specifications in the Bidding Document. Submission of a bid not responsive to the Bidding Document in every respect will be at the bidder’s risk and may result in the rejection of its bid without any further reference to the bidder.

58.1 Amendments to Bidding Documents

At any time prior to the last Date and Time for submission of bids, the Bank may, for any reason, modify the Bidding Document by amendments at the sole discretion of the Bank. All amendments will be either uploaded in the website or shall be delivered by hand / post / courier or through e-mail or faxed to all prospective bidders, who have received the bidding document and will be binding on them. For this purpose bidders must provide name of the contact person, mailing address, telephone number and FAX numbers on the covering letter sent along with the bids.

In order to provide, prospective bidders, reasonable time to take the amendment if any, into account in preparing their bid, the Bank may, at its discretion, extend the deadline for submission of bids.

58.2 Period of Validity

Bids shall remain valid for 120 days from the last date of bid submission. A bid valid for shorter period shall be rejected by the Bank as non-responsive.

58.3 Last Date and Time for Submission of Bids

Bids must be submitted not later than the specified date and time as specified in the Bid Document. Bank reserves the right to extend the date & time without mentioning any reason.

58.4 Late Bids

Any bid received after the deadline for submission of bids will be rejected and/or returned unopened to the Bidder, if so desired by him.

58.5 Modifications and/or Withdrawal of Bids

- 1) Bids once submitted will be treated as final and no further correspondence will be entertained on this.
- 2) No bid will be modified after the deadline for submission of bids.
- 3) No bidder shall be allowed to withdraw the bid, if the bidder happens to be a successful bidder.

58.6 Clarification of Bids

To assist in the examination, evaluation and comparison of bids the Bank may, at its discretion, ask the bidder for clarification and response, which shall be in writing and without change in the price, shall be sought, offered or permitted.

Bank's Right to Accept or Reject Any Bid or All Bids

The Bank reserves the right to accept or reject any bid and annul the bidding process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the ground for the Bank's action.

59 Signing of Contract

The successful bidder(s) to be called as bidder, shall be required to enter into an Agreement with the Bank, within 21 days of the award of the work order (when provided) or within such extended period as may be specified by the Bank.

60 Sustainable Sourcing

The Supplier shall adhere to Sustainable Sourcing practices including but not limited to the use of environment friendly materials, ethical labor practices and compliance with relevant local and international regulations. The Supplier shall provide documentation or certifications demonstrating their commitment to Sustainable Sourcing upon request. Failure to comply with these requirements may result in contract termination.

61 Remote Access:

Any type of remote access will not be allowed outside Bank's Network.

62 Business Continuity and Disaster Recovery

62.1 Business Continuity Plan (BCP)

The Service Provider shall have a documented Business Continuity Plan in place, which outlines the strategies for maintaining service availability in the event of an unexpected incident. The BCP should include, but is not limited to:

- 1) Detailed procedures for mitigating and recovering from various business disruptions.
- 2) Identification of key personnel, roles, and responsibilities in a crisis.
- 3) Communication plans to inform both the Service Provider and Customer of significant disruptions and progress towards recovery.

62.2 Disaster Recovery Plan (DRP)

The Service Provider shall maintain a Disaster Recovery Plan to restore critical services and infrastructure in the event of a disaster, including:

- 1) Specific recovery objectives, such as Recovery Time Objective (RTO) and Recovery Point Objective (RPO), to be met for each service.
- 2) Procedures for data backup, storage, and retrieval.
- 3) Clear steps to restore services to full functionality, including resource allocation and escalation procedures.

63 Obligation to cooperate with relevant authorities in case of Insolvency/Resolution

63.1 Insolvency

In the event that Bank becomes subject to insolvency proceedings, financial restructuring, or resolution by relevant authorities (including, but not limited to, governmental bodies, regulatory agencies, or liquidators), the Service Provider shall cooperate fully with such authorities, in accordance with applicable laws and regulations.

63.2 Cooperation

The Service Provider agrees to provide all necessary information, documentation, and assistance as requested by the relevant authorities, including but not limited to access to

data, records, systems, and personnel, to ensure a smooth transition or orderly resolution process.

63.3 Continued Service During Resolution

In the event of insolvency or resolution of the Bank, the Service Provider shall continue to perform its obligations under this Agreement unless otherwise directed by the relevant authorities or instructed by Bank.

63.4 Notification

The Service Provider shall notify the Bank promptly upon learning of any insolvency, liquidation, or resolution proceedings involving the Bank, and shall comply with any directions provided by the relevant authorities.

64 Data Localization

The Bidder shall ensure that all data, as applicable to the concerned Bank, is stored exclusively within India, in full compliance with the extant regulatory requirements set forth by the relevant authorities. The Bidder shall not store or process any data outside of India without prior written consent from the Bank and approval from regulatory bodies.

Bank reserves the right to change the location of services to be provided by the Service Provider by serving prior notice of 30 days without assigning any reason and without altering any other terms & conditions of the RFP.

65 Authorized Signatory

The Bidder shall indicate the authorized signatories who can discuss and correspond with Bank, with regard to the obligations under the contract. The Bidder shall submit at the time of signing the contract a certified copy of the resolution of their board, authenticated by the company secretary, authorizing an official or officials of the bidder to discuss, sign agreements/contracts with Bank, raise invoice and accept payments and also to correspond. The Bidder shall provide proof of signature identification for the above purposes as required by Bank.

66 Escrow Arrangements

The bidder has to facilitate for Escrow Agreement between all the parties. The OEM shall either provide the source code along with the necessary documentation or ensure that the source code is securely placed under an escrow arrangement, as agreed upon by all parties. The escrow agreement shall include provisions that, in the event of a predefined triggering event (such as the OEM going out of business, breach of contract, or any other specified event), the source code will be made available to the Bank in a timely manner, ensuring uninterrupted support and maintenance of the solution.

The Bidder shall bear all costs related to setting up and maintaining the escrow arrangement, including any charges incurred for the services of the Escrow Agent. The Bank shall not be responsible for any costs related to the escrow setup or the escrow agent's services.

In addition, the Service Provider shall ensure regular and secure backups of the source code and other critical data. Backup of all relevant data, including the source code, must be performed and securely stored in accordance with the Bank's Data Security and compliance requirements. The Bank shall have access to these backups upon request to ensure continuity and security of operations.

67 Digital Personal Data Protection Act / Rules

“Digital Personal Data Protection Compliance

The Bidder/Vendor shall, at all times, comply with the provisions of the Digital Personal Data Protection Act, 2023 (“DPDP Act”) and the Digital Personal Data Protection Rules, 2025 / Notifications / Guidelines and further rules made thereunder.

The Bidder/Vendor shall implement appropriate technical and organizational measures to ensure lawful processing, secure handling, confidentiality, integrity, availability, and protection of personal data obtained, accessed, shared, or processed in connection with this RFP and the resultant contract.

Further, the Bidder/Vendor shall take due care while collecting and dealing with sensitive personal data or information of Bank and its customer. Any processing of Personal Data by the Service Providers in the performance of the Agreement under this RFP shall be in compliance with the above Act/Rules. The Service Provider shall also ensure that any sub-contractor (if allowed) engaged by it shall act in compliance with the above Act, to the extent applicable.

The Bidder/Vendor shall act only on documented instructions of the Bank and shall not process personal data for any purpose other than the performance of the obligations under this RFP.

Any data breach, unauthorised access, misuse, loss, or disclosure of personal data must be reported to the Authority/Bank in writing within [24 hours] of occurrence, along with an incident report and remedial action plan.

The Bidder/Vendor shall indemnify and hold harmless the Bank against any loss, liability, penalty, claim, cost, or damages arising out of non-compliance with the DPDP Act and Rules.”

68 Labour Law

“Labour Law Adherence and Compliance with Court Directions

The Bidder/Vendor shall ensure full compliance with all applicable labour laws, employment laws, industrial relations regulations, social security legislation, and any orders/directions issued by competent Labour Courts/Industrial Tribunals/Authorities / RBI and any other Regulatory/ Statutory body in India.

The Bidder/Vendor shall be solely responsible for payment of salaries, wages, statutory contributions, benefits, and all dues to its employees, subcontractors, labour, and statutory personnel deployed for execution of work under this RFP.

No employer-employee relationship shall be deemed to exist between the Bank and the personnel engaged by the Bidder/Vendor.

In case of any claim, demand, dispute, or litigation arising due to non-compliance by the Bidder/Vendor, the same shall be solely borne and resolved by the Bidder/Vendor without any liability upon the Bank.

The Bidder/Vendor shall indemnify the Bank against any losses, costs, or legal liabilities on account of any violation or non-compliance of applicable laws including any liabilities, costs or expenses arising in connection with any proceedings in respect thereof.”

Section-4

Annexures

Checklist for Submission

#	Particulars	Bidders Remark (Yes/No)
1	Certificate of Incorporation	
2	Audited Balance sheets of last three years - 2022-23, 2023-24, 2024-25	
3	CA certificate for three years average turnover for financial years 2022-23, 2023-24, 2024-25	
4	CA certificate for operating profit for last three financial years 2022-23, 2023-24, 2024-25	
5	CA certificate for net worth for last three financial years i.e. 2022-23, 2023-24, 2024-25	
6	Self-declaration by the Authorized Signatory for not having filed for Bankruptcy in any country including India on company letter head	
7	Self-declaration on Company's letter head stating bidder should not have been blacklisted/debarred/ by any Govt. / IBA/RBI/PSU /PSE/ or Banks, Financial institutes for any reason or non-implementation/ delivery of the order.	
8	Self-declaration on Company's letter head stating Bidder/OEM should not have any pending litigation or any dispute in the last 5 years	
9	Self-declaration on Company's letter head regarding • NPA • Any case pending	
10	Document Cost	
11	Annexure 1: Conformity Letter	
12	Annexure 2: Commercial Bill of Material	
13	Annexure 3: Bidder's Information	
14	Annexure 4: Letter for Conformity of Product as per RFP	
15	Annexure 5: GOI Guidelines with Model wise classification (Make in India)	
16	Annexure 6: Undertaking of Authenticity for Products Supplied	
17	Annexure 7: Undertaking for Acceptance of terms of RFP	
18	Annexure 8: MAF on OEM letter head	
19	Annexure 9: Integrity Pact	
20	Annexure 10: Non-Disclosure Agreement	
21	Annexure 11: Performance Bank Guarantee	
22	Annexure 12: Minimum Technical Specifications	
23	Annexure 13: Pro forma for Bid Security (EMD)	
24	Annexure 14: Bidders Particulars in Company Letter Head	
25	Annexure 15: Compliance Certificate with respect to RBI's "Master Direction on Outsourcing of Information Technology Services"	
26	Annexure 16: NPA Undertaking	
27	Annexure 17: Land Border Sharing Undertaking	
28	Annexure 18: Cover Letter	
29	Annexure 19: Escalation Matrix	
30	Annexure 20: Query Format	
31	Annexure 21: Eligibility Criteria Compliance	
32	Annexure 22: Guidelines on banning of Business Dealings	
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Annexure 1: Conformity Letter

Date

To,

General Manager (IT),
Central Bank of India,
DIT, Sector 11,
CBD Belapur,
Navi Mumbai – 400614

Sir,

Sub: Tender No. **GEM/2026/B/7118455**

Further to our proposal dated _____, in response to the RFP document (hereinafter referred to as “RFP DOCUMENT”) issued by Central Bank of India (“Bank”) we hereby covenant, warrant and confirm as follows:

We hereby agree to comply with all the terms and conditions / stipulations as contained in the RFP document and the related addendums and other documents including the changes made to the original tender documents issued by the Bank.

The Bank is not bound by any other extraneous matters or deviations, even if mentioned by us elsewhere either in our proposal or any subsequent deviations sought by us, whether orally or in writing, and the Bank’s decision not to accept any such extraneous conditions and deviations will be final and binding on us.

Yours faithfully,

Authorized Signatory

Designation

Company Name

Annexure 2: Commercial Bill of Material

Format for Commercial Bill of Material is attached in excel format in separate sheet and also provide at the end of this RFP.

Annexure 3: Bidder's Information

#	Particulars	Details
1.	Name of bidder	
2.	Constitution	
3.	Address with Pin code	
4.	Authorized Person for bid	
5.	Contact Details(Mail id & Mob No)	
6.	Years of Incorporation	
7.	Number of years of experience in IT hardware items	
8.	Annual Average Turnover (In Rs.) 2022-23- 2023-24- 2024-25-	
9.	Operating Profits (In Rs.) 2022-23- 2023-24- 2024-25-	
10.	Net Worth (In Rs.) 2022-23- 2023-24- 2024-25-	
11.	Whether OEM or authorized distributor	
12.	Number of service outlets across India	
13.	Good and Service Tax Number	
14.	Income Tax Number	
15.	Whether direct manufacturer or authorized dealers	
16.	Name and Address of OEM	
17.	Brief Description of after sales service facilities available with the bidder.	
18.	Whether all RFP terms & conditions complied with.	

Signature

Name:

Designation:

Seal of Company

Date:

Annexure 4: Letter for Conformity of Product as per RFP

Date

To,

General Manager (IT),
Central Bank of India,
DIT, Sector 11,
CBD Belapur,
Navi Mumbai – 400614

Sir,

Sub: GEM/2026/B/7118455

We submit our Bid Document herewith. If our Bid for the above job is accepted, we undertake to enter into and execute at our cost, when called upon by the Bank to do so, a contract in the prescribed form. Unless and until a formal contract is prepared and executed, this bid together with your written acceptance thereof shall constitute a binding contract between us.

We understand that any deviations mentioned elsewhere in the bid will not be considered and evaluated by the Bank. We also agree that the Bank reserves its right to reject the bid, if the bid is not submitted in proper format as per subject RFP.

We undertake that product and services supplied shall be as per the:-

Compliance	Compliance (Yes/ No)	Remarks
Terms & Conditions		
Scope of Work		

(If left blank it will be construed that there is no deviation from the specifications given above)

Signature

Name:

Designation:

Seal of Company

Date:

Annexure 5: GOI Guidelines with Model wise classification (Make in India)

Government has issued Public Procurement (Preference to Make in India) [PPP-MII] Order 2017 vide the Department for Promotion of Industry and Internal Trade (DPIIT) Order No.P45021/2/2017-B.E.-II dated 15.06.2017 and subsequent revisions vide Order No. 45021/2/2017-PP(BE-II) dated 16-9-2020 to encourage 'Make in India' and to promote manufacturing and production of goods, services and works in India with a view to enhancing income and employment.

It is clarified that for all intents and purposes, the latest revised order i.e. the order dated 16-9-2020 shall be applicable being revised Order of the original order i.e. Public Procurement (Preference to Make in India) [PPP-MII] Order 2017 dated 15-6-2017.

The salient features of the aforesaid Order are as under:

- 1) Class-I Local supplier - a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 50%.
- 2) Class-II Local supplier - a supplier or service provider, whose goods, services or works offered for procurement, has local content equal to or more than 20% but less than 50%.
- 3) Non-Local supplier - a supplier or service provider, whose goods, services or works offered for procurement, has local content less than or equal to 20%.
- 4) The margin of purchase preference shall be 20 %, Margin of purchase preference means the maximum extent to which the price quoted by a local supplier may be above the L1 for the purpose of purchase preference.
- 5) "Minimum Local content" for the purpose of this RFP, the 'local content' requirement to categorize a supplier as 'Class-I local supplier' is minimum 50%. For 'Class-II local supplier', the 'local content' requirement is minimum 20%. If Nodal Ministry/Department has prescribed different percentage of minimum 'local content' requirement to categorize a supplier as 'Class-I local supplier'/'Class-II local supplier', same shall be applicable.

Verification of Local contents:

The local supplier at the time of submission of bid shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content as per Annexure 5A. Local content certificate shall be issued based upon the procedure for calculating the local content /domestic value addition on the basis of notification bearing no. F. No.33(1) /2017-IPHW dated 14-9-2017 issued by Ministry of Electronics and Information Technology read with Public Procurement (Preference to Make in India) Order 2017 Revised vide the Department for Promotion of Industry and Internal Trade (DPIIT) Order No.P-45021/2/2017-B.E.-II dated 16-09-2020.

False declaration will be in breach of the Code of Integrity under Rule 175(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per rule 151 of the General Financial Rules along with such other actions may be permissible under law.

A supplier who has been debarred by any procuring entity for violation of this order shall not be eligible for preference under this order for procurement by any other procuring entity for the duration of the debarments. The debarment for such other procuring entities shall take effect prospectively from the date on which it comes to the notice of other procurement entities in the manner prescribed under order No P-45021/2/2017-PP(BE- II) dated 16-09-2020, para 9(h).

Note:

- a) Bidder has to submit the Make in India Class-I / Class-II local supplier certificate as per attached format.
- b) Bidder has to submit proposal for all line Items.
- c) Any change in classification of Class-I and Class-II, Bidder may submit any change in class level for consideration in subsequent phases.

Purchase Preference:

- 1) Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to 'Class-I local supplier' in procurements undertaken by procuring entities in the manner specified here under,
- 2) In the procurements of goods or works, which are divisible in nature, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:
 - Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract for full quantity will be awarded to L1.
 - If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- 3) In the procurements of goods or works, which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:
 - Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-I local supplier', the contract will be awarded to L1.
 - If L1 is not 'Class-I local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's

quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.

- In case such lowest eligible 'Class-I local supplier' fails to match the L1 price, the 'Class-I local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-I local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.
- 4) "Class-2 local supplier" will not get purchase preference in any procurement, undertaken by procuring entities.

All others terms and condition are as per order no. No. P-45021/2/2017-PP (BE-II) dated: 16th September 2020.

Annexure 5A: Certificate of Local Content

(Certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content, on their letter head with Registration Number with seal)

To,

General Manager (IT),
Central Bank of India,
DIT, Sector 11,
CBD Belapur,
Navi Mumbai – 400614

Sir,

Sub: **GEM/2026/B/7118455**

This is to certify that proposed..... (Product make____ and model____) is having the local content of % as defined in the above mentioned RFP.

This certificate is submitted in reference to the Public Procurement (Preference to Make in India), Order 2017.

Annexure 6: Undertaking of Authenticity for Products Supplied

Date

To,

General Manager (IT),
Central Bank of India,
DIT, Sector 11,
CBD Belapur,
Navi Mumbai – 400614

Sir,

Sub: **GEM/2026/B/7118455**

With reference to RFP for -----:

We hereby undertake to produce the certificate from our OEM supplier in support of this undertaking at the time of delivery/installation. It will be our responsibility to produce such letters from our OEM supplier's at the time of delivery or within a reasonable time.

In case of default and we are unable to comply with the above at any time, we agree to take back the Licenses without demur, if already supplied and return the money if any paid to us by you in this regard.

Signature

Name:

Designation:

Seal of Company

Date:

Annexure 7: Undertaking for Acceptance of Terms of RFP

Date

To,

General Manager (IT),
Central Bank of India,
DIT, Sector 11,
CBD Belapur,
Navi Mumbai – 400614

Sir,

Sub: GEM/2026/B/7118455

With reference to RFP for -----:

We understand that Bank shall be placing Order to the Successful Bidder inclusive of taxes only.

1. We confirm that in case of invocation of any Bank Guarantees submitted to the Bank, we will pay applicable GST on Bank Guarantee amount.
2. We are agreeable to the payment schedule as per "Payment Terms" of the RFP.
3. We here by confirm to undertake the ownership of the subject RFP.
4. We hereby undertake to provide latest product/ software with latest version. The charges for the above have been factored in Bill of Material (BOM), otherwise the Bid is liable for rejection. We also confirm that we have not changed the format of BOM.

Signature

Name:

Designation:

Seal of Company

Date:

Annexure 8: Manufacturer's Authorization Form

Date

To,

General Manager (IT),
Central Bank of India,
DIT, Sector 11,
CBD Belapur,
Navi Mumbai – 400614

Dear Sir,

Sub: Tender No. **GEM/2026/B/7118455**

We (Name of the Manufacturer)
who are established and reputable manufacturers of having
factories at,,, and do hereby authorize M/s
..... (who is the Bidder submitting its bid pursuant to the Request for
Proposal issued by the Bank) to submit a Bid and negotiate and conclude a contract with you
for supply of equipment manufactured by us against the Request for Proposal received from
your Bank by the Bidder and we have duly authorized the Bidder for this purpose.

We, hereby, extend warranty for the equipment and support services offered for our products
supplied against this RFP by the above-mentioned Bidder.

If Bank desires transfer of the warranty and support services, supposed to be delivered by the
successful Bidder, to its preferred Bidder, in such a case, OEM should transfer such warranty
and support services without any additional cost to the Bank.

Yours Faithfully,

Authorized Signatory

(Name, Phone No., Fax, E-mail)

(This letter should be on the letterhead of the Manufacturer duly signed & seal by an authorized signatory)

Annexure 9: Integrity Pact

Integrity Pact

Between

Central Bank of India hereinafter referred to as “The Principal”,

And

..... hereinafter referred to as “The Bidder/
Contractor”

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for.....The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness / transparency in its relations with its Bidder(s) and / or Contractor(s).

In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

(1.) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

- a. No employee of the Principal, personally or through family members, will in connection with the tender for , or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- b. The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
- c. The Principal will exclude from the process all known prejudiced persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/ contractor(s)

(1) The Bidder(s)/ Contractor(s) commit themselves to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

- a. The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal’s employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she

is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

b. The Bidder(s)/ Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.

c. The Bidder(s)/ Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d. The Bidder(s)/Contractors(s) of foreign origin shall disclose the name and address of the Agents/representatives in India, if any. Similarly, the Bidder(s)/Contractors(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the “Guidelines on Indian Agents of Foreign Suppliers” shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only. Copy of the “Guidelines on Indian Agents of Foreign Suppliers” is placed at Annexure 22.

e. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

f. Bidder(s)/Contractor(s) who have signed the Integrity Pact shall not approach the Courts while representing the matter to IEMs and shall wait for their decision in the matter

(2) The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3- Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or take action as per the procedure mentioned in the “Guidelines on Banning of business dealings”. Copy of the “Guidelines on Banning of business dealings”. (As given in the Annexure 22)

Section 4 – Compensation for Damages

(1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.

(2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 – Previous Transgression

(1) The Bidder declares that no previous transgressions occurred in the last three years with any other Bank in any country conforming to the anti-corruption approach or with any Public Sector Enterprise in India that could justify his exclusion from the tender process.

(2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in “Guidelines on Banning of business dealings”.

Section 6 – Equal treatment of all Bidders / Contractors / Subcontractors

(1) The Bidder(s)/ Contractor(s) undertake(s) to demand from his subcontractors a commitment in conformity with this Integrity Pact.

(2) The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.

(3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidder(s) / Contractor(s) / Subcontractor(s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

Section 8 – Independent External Monitor / Monitors

- 1) The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- 2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. It will be obligatory for him to treat the information and documents of the Bidders/Contractors as confidential. He reports to the Chairman & Managing Director, CENTRAL BANK OF INDIA.
- 3) The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s)/ Subcontractor(s) with confidentiality. In case of sub-contracting, the Principal Contractor shall take all responsibility of the adoption of Integrity Pact by the sub-contractor. In case of sub-contracting, the Principal Contractor shall take the responsibility of the adoption of the Integrity Pact by the sub-contractor.
- 4) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- 5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to

discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit nonbinding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action. Parties to this agreement agree that they shall not approach the courts while representing the matter to IEM and will await IEM's decision in the matter. Parties to this agreement agree that they shall not approach the courts while representing the matter to IEM and will await IEM's decision in the matter.

- 6) The Monitor will submit a written report to the Chairman & Managing Director, CENTRAL BANK OF INDIA within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
- 7) If the Monitor has reported to the Chairman & Managing Director CENTRAL BANK OF INDIA, a substantiated suspicion of an offence under relevant IPC/ PC Act, and the Chairman & Managing Director CENTRAL BANK OF INDIA has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
- 8) The word „Monitor“ would include both singular and plural.

Section 9 – Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Chairman & Managing Director of CENTRAL BANK OF INDIA.

Section 10 – Other provisions

- 1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Mumbai.
- 2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) In the event of any contradiction between the Integrity Pact and its Annexure, the Clause in the Integrity Pact will prevail.”

Section 11- FALL CLAUSE

11.1. The BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER undertakes that it has not supplied/is not supplying same/exact product/systems or subsystems/services (i.e. same scope, deliverables, timelines, SLAs & pricing terms) at a price lower than that offered in the present bid to any other Bank or PSU or Government Department or to any other organization/entity whether or not constituted under any law and if it is found at any

stage that similar product/systems or sub systems/services was supplied by the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER to any other Bank or PSU or Government Department or to any other organization/entity whether or not constituted under any law, at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER/SELLER/CONTRACTOR/SERVICE PROVIDER to the BUYER, if the contract has already been concluded.

Signed, Sealed and Delivered for the Principal	Signed, Sealed and Delivered for the Bidder
Signature: _____	Signature: _____
Name: _____	Name: _____
Designation: _____	Designation: _____
Address: _____	Address: _____
Company: _____	Company: _____
Date: _____	Date: _____
Company Seal	Company Seal
Witness I	Witness II
Signature: _____	Signature: _____
Name: _____	Name: _____
Designation: _____	Designation: _____
Address: _____	Address: _____
Company: _____	Company: _____
Date: _____	Date: _____

Annexure 10: Non-Disclosure Agreement

This Agreement made at _____, on this _____ day of _____ 2026

Between

_____ a company incorporated under the Companies Act, 1956/2013 having its registered office at _____ (hereinafter referred to as “-----” which expression unless repugnant to the context or meaning thereof be deemed to include its successors and assigns) of the ONE PART;

AND

CENTRAL BANK OF INDIA, a body corporate constituted under the Banking Companies (Acquisition & Transfer of Undertakings) Act, 1970 and having its head Office at Central Office, Chander Mukhi, Nariman Point, Mumbai – 400 021 (hereinafter referred to as “BANK” which expression unless repugnant to the context or meaning thereof be deemed to include its successors and assigns) of the OTHER PART

Thebidder and BANK are hereinafter individually referred to as party and collectively referred to as “the Parties”. Either of the parties which discloses or receives the confidential information is respectively referred to herein as Disclosing Party and Receiving Party.

WHEREAS:

The Parties intend to engage in discussions and negotiations concerning the establishment of a business relationship between them. In the course of such discussions and negotiations, it is anticipated that both the parties may disclose or deliver to either of the Parties certain or some of its trade secrets or confidential or proprietary information, for the purpose of enabling the other party to evaluate the feasibility of such business relationship (hereinafter referred to as “the Purpose”).

NOW, THEREFORE, THIS AGREEMENT WITNESSETH AND IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

1. Confidential Information

“Confidential Information” means all information disclosed/ furnished by either of the parties to another Party in connection with the business transacted/to be transacted between the Parties and/or in the course of discussions and negotiations between them in connection with the Purpose. Confidential Information shall include customer data, any copy, abstract, extract, sample, note or module thereof.

Either of the Parties may use the Confidential Information solely for and in connection with the Purpose.

Notwithstanding the foregoing, “Confidential Information” shall not include any information which the Receiving Party can show: (a) is now or subsequently becomes legally and publicly available without breach of this Agreement by the Receiving Party, (b) was rightfully in the possession of the Receiving Party without any obligation of confidentiality prior to receiving it from the Disclosing Party, (c) was rightfully obtained by the Receiving Party from a source other than the Disclosing Party without any obligation of confidentiality, or (d) was developed

by or for the Receiving Party independently and without reference to any Confidential Information and such independent development can be shown by documentary evidence.

2. Non-Disclosure

The Receiving Party shall not commercially use or disclose any Confidential Information or any materials derived there from to any other person or entity other than persons in the direct employment of the Receiving Party who have a need to have access to and knowledge of the Confidential Information solely for the Purpose authorized above. The Receiving Party may disclose Confidential Information to its employees, consultants, auditors, sub-contractors ("Representatives") consultants only if such representatives has executed a Non-disclosure Agreement with the Receiving Party that contains terms and conditions that are no less restrictive than these. The Receiving Party shall take appropriate measures by instruction and written agreement prior to disclosure to such employees to assure against unauthorized use or disclosure. The Receiving Party agrees to notify the Disclosing Party immediately if it learns of any use or disclosure of the Disclosing Party's Confidential Information in violation of the terms of this Agreement. Further, any breach of non-disclosure obligations by such employees or consultants shall be deemed to be a breach of this Agreement by the Receiving Party and the Receiving Party shall be accordingly liable therefor.

Provided that the Receiving Party may disclose Confidential information to a court or governmental agency pursuant to an order of such court or governmental agency as so required by such order, provided that the Receiving Party shall, unless prohibited by law or regulation, promptly notify the Disclosing Party of such order and afford the Disclosing Party the opportunity to seek appropriate protective order relating to such disclosure.

3. Publications

Neither Party shall make news releases, public announcements, give interviews, issue or publish advertisements or publicize in any other manner whatsoever in connection with this Agreement, the contents / provisions thereof, other information relating to this Agreement, the Purpose, the Confidential Information or other matter of this Agreement, without the prior written approval of the other Party.

4. Term

This Agreement shall be effective from the date hereof and shall continue till establishment of business relationship between the Parties and execution of definitive agreements thereafter. Upon expiration or termination as contemplated herein the Receiving Party shall immediately cease rights to any and all disclosures or uses of Confidential Information; and at the request of the Disclosing Party, the Receiving Party shall promptly return or destroy all written, graphic or other tangible forms of the Confidential Information and all copies, abstracts, extracts, samples, notes or modules thereof.

Notwithstanding anything to the contrary contained herein, the confidential information shall continue to remain confidential until it reaches the public domain in the normal course.

5. Title & Proprietary Rights

Notwithstanding the disclosure of any Confidential Information by the Disclosing Party to the Receiving Party, the Disclosing Party shall retain title and all intellectual property and proprietary rights in the Confidential Information. No license under any trademark, patent or

copyright, or application for same which are now or thereafter may be obtained by such Party is either granted or implied by the conveying of Confidential Information. The Receiving Party shall not conceal, alter, obliterate, mutilate, deface or otherwise interfere with any trademark, trademark notice, copyright notice, confidentiality notice or any notice of any other proprietary right of the Disclosing Party on any copy of the Confidential Information, and shall reproduce any such mark or notice on all copies of such Confidential Information. Likewise, the Receiving Party shall not add or emboss its own or any other any mark, symbol or logo on such Confidential Information.

6. Return of Confidential Information

Upon written demand of the Disclosing Party, the Receiving Party shall (i) cease using the Confidential Information, (ii) return the Confidential Information and all copies, abstract, extracts, samples, notes or modules thereof to the Disclosing Party within seven (7) days after receipt of notice, and (iii) upon request of the Disclosing Party, certify in writing that the Receiving Party has complied with the obligations set forth in this paragraph. The obligation under this clause will not apply where it is necessary to retain any confidential information for the purpose as required by the law or for internal auditing purposes or electronic data stored due to automatic archiving or backup procedures.

7. Remedies

The Receiving Party acknowledges that if the Receiving Party fails to comply with any of its obligations hereunder, the Disclosing Party may suffer immediate, irreparable harm for which monetary damages may not be adequate. The Receiving Party agrees that, in addition to all other remedies provided at law or in equity, the Disclosing Party shall be entitled to injunctive relief hereunder.

8. Entire Agreement, Amendment and Assignment

This Agreement constitutes the entire agreement between the parties relating to the matters discussed herein and supersedes any and all prior oral discussions and/or written correspondence or agreements between the parties. This Agreement may be amended or modified only with the mutual written consent of the parties. Neither this Agreement nor any right granted hereunder shall be assignable or otherwise transferable.

9. Governing Law and Jurisdiction

The provisions of this Agreement shall be governed by the laws of India. The disputes, if any, arising out of this Agreement shall be submitted to the jurisdiction of the courts/tribunals in Mumbai.

10. General

The Receiving Party shall not reverse-engineer, decompile, disassemble or otherwise interfere with any software disclosed hereunder. All Confidential Information is provided "as is". In no event shall the Disclosing Party be liable for the inaccuracy or incompleteness of the Confidential Information. None of the Confidential Information disclosed by the parties constitutes any representation, warranty, assurance, guarantee or inducement by either party to the other with respect to the fitness of such Confidential Information for any particular purpose or infringement of trademarks, patents, copyrights or any right of third persons.

11. Indemnity

The receiving party should indemnify and keep indemnified, saved, defended, harmless against any loss, damage, costs etc. incurred and / or suffered by the disclosing party arising out of breach of confidentiality obligations under this agreement by the receiving party, its officers, employees, agents or consultants.

In WITNESS THEREOF, the Parties hereto have executed these presents the day, month and year first hereinabove written:

Signed, Sealed and Delivered for the Principal	Signed, Sealed and Delivered for the Bidder
Signature: _____	Signature: _____
Name: _____	Name: _____
Designation: _____	Designation: _____
Address: _____	Address: _____
Company: _____	Company: _____
Date: _____	Date: _____
Company Seal	Company Seal
Witness I	Witness II
Signature: _____	Signature: _____
Name: _____	Name: _____
Designation: _____	Designation: _____
Address: _____	Address: _____
Company: _____	Company: _____
Date: _____	Date: _____

Annexure 11: Performance Bank Guarantee

To,

Central Bank of India, Mumbai

In consideration of Central Bank of India having Registered Office at Chandermukhi Building, Nariman Point, Mumbai 400 021 (hereinafter referred to as “Purchaser”) having agreed to purchase of software, hardware & other components & services (hereinafter referred to as “Goods”) from M/s ----- (hereinafter referred to as “Contractor”) on the terms and conditions contained in their agreement/purchase order No----- dt.----- (hereinafter referred to as the “Contract”) subject to the contractor furnishing a Bank Guarantee to the purchaser as to the due performance of the computer hardware, as per the terms and conditions of the said contract, to be supplied by the contractor and also guaranteeing the maintenance, by the contractor, of the computer hardware and systems as per the terms and conditions of the said contract;

1) We, ----- (Bank) (hereinafter called “the Bank”), in consideration of the premises and at the request of the contractor, do hereby guarantee and undertake to pay to the purchaser, forthwith on mere demand and without any demur, at any time up to ----- any money or moneys not exceeding a total sum of Rs----- (Rupees-----only) as may be claimed by the purchaser to be due from the contractor by way of loss or damage caused to or that would be caused to or suffered by the purchaser by reason of failure of computer hardware to perform as per the said contract, and also failure of the contractor to maintain the computer hardware and systems as per the terms and conditions of the said contract.

2) Notwithstanding anything to the contrary, the decision of the purchaser as to whether computer hardware has failed to perform as per the said contract, and also as to whether the contractor has failed to maintain the computer hardware and systems as per the terms and conditions of the said contract will be final and binding on the Bank and the Bank shall not be entitled to ask the purchaser to establish its claim or claims under this Guarantee but shall pay the same to the purchaser forthwith on mere demand without any demur, reservation, recourse, contest or protest and/or without any reference to the contractor. Any such demand made by the purchaser on the Bank shall be conclusive and binding notwithstanding any difference between the purchaser and the contractor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority.

3) This Guarantee shall expire on -----; without prejudice to the purchaser’s claim or claims demanded from or otherwise notified to the Bank in writing on or before the said date i.e. ----- (this date should be date of expiry of Guarantee).

4) The Bank further undertakes not to revoke this Guarantee during its currency except with the previous consent of the purchaser in writing and this Guarantee shall continue to be enforceable till the aforesaid date of expiry or the last date of the extended period of expiry of Guarantee agreed upon by all the parties to this Guarantee, as the case may be, unless during the currency of this Guarantee all the dues of the purchaser under or by virtue of the said contract have been duly paid and its claims satisfied or discharged or the purchaser certifies that the terms and conditions of the said contract have been fully carried out by the contractor and accordingly discharges the Guarantee.

5) In order to give full effect to the Guarantee herein contained, you shall be entitled to act as if we are your principal debtors in respect of all your claims against the contractor hereby Guaranteed by us as aforesaid and we hereby expressly waive all our rights of surety ship and other rights if any which are in any way inconsistent with the above or any other provisions of this Guarantee.

6) The Bank agrees with the purchaser that the purchaser shall have the fullest liberty without affecting in any manner the Bank's obligations under this Guarantee to extend the time of performance by the contractor from time to time or to postpone for any time or from time to time any of the rights or powers exercisable by the purchaser against the contractor and either to enforce or forbear to enforce any of the terms and conditions of the said contract, and the Bank shall not be released from its liability for the reasons of any such extensions being granted to the contractor for any forbearance, act or omission on the part of the purchaser or any other indulgence shown by the purchaser or by any other matter or thing whatsoever which under the law relating to sureties would, but for this provision have the effect of so relieving the Bank.

7) The Guarantee shall not be affected by any change in the constitution of the contractor or the Bank nor shall it be affected by any change in the constitution of the purchaser by any amalgamation or absorption or with the contractor, Bank or the purchaser, but will ensure for and be available to and enforceable by the absorbing or amalgamated company or concern.

8) This guarantee and the powers and provisions herein contained are in addition to and not by way of limitation or in substitution of any other guarantee or guarantees heretofore issued by us (whether singly or jointly with other Banks) on behalf of the contractor heretofore mentioned for the same contract referred to heretofore and also for the same purpose for which this guarantee is issued, and now existing un-cancelled and we further mention that this guarantee is not intended to and shall not revoke or limit such guarantee or guarantees heretofore issued by us on behalf of the contractor heretofore mentioned for the same contract referred to heretofore and for the same purpose for which this guarantee is issued.

9) Any notice by way of demand or otherwise under this guarantee may be sent by special courier, telex, fax or registered post to our local address as mentioned in this guarantee.

10) Notwithstanding anything contained herein above:-

i) Our liability under this Bank Guarantee shall not exceed Rs------(Rupees-----only);

ii) This Bank Guarantee shall be valid up to -----;(date of expiry) and

iii) We are liable to pay the Guaranteed amount or any part thereof under this Bank Guarantee only and only if you serve upon us a written claim or demand on or before--- ----- (date of expiry of Guarantee)

11) The Bank has power to issue this Guarantee under the statute/constitution and the undersigned has full power to sign this Guarantee on behalf of the Bank.

Date this ----- day of ----- 2026 at -----

For and on behalf of ----- Bank.

sd/- -----

Annexure 12: Minimum Technical Specifications

Format for Minimum Technical Specifications is attached in excel format in separate sheet and also provide at the end of this RFP.

Annexure 13: Bid Security (BG Format- for Earnest Money Deposit)

To,

General Manager-IT
Central Bank of India,
DIT, 1st Floor, CBD Belapur,
Navi Mumbai -400 614

Dear Sir,

In response to your invitation to respond to your RFP for _____, M/s _____ having their registered office at _____ (hereinafter called the Bidder“) wishes to respond to the said Request for Proposal (RFP) and submit the proposal for as listed in the RFP document.

Whereas the „Bidder“ has submitted the proposal in response to RFP, we, the _____ Bank having our head office _____ hereby irrevocably guarantee an amount of **Rs _____ (RupeesOnly)** as bid security as required to be submitted by the, Bidder“ as a condition for participation in the said process of RFQ.

The Bid security for which this guarantee is given is liable to be enforced/ invoked:

1. If the Bidder withdraws his proposal during the period of the proposal validity; or
2. If the Bidder, having been notified of the acceptance of its proposal by the Bank during the period of the validity of the proposal fails or refuses to enter into the contract in accordance with the Terms and Conditions of the RFP or the terms and conditions mutually agreed subsequently. We undertake to pay immediately on demand to Central Bank of India the said amount of Rupees ----- without any reservation, protest, demur, or recourse. The said guarantee is liable to be invoked/ enforced on the happening of the contingencies as mentioned above and also in the RFP document and we shall pay the amount on any Demand made by Central Bank of India which shall be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder.

Notwithstanding anything contained herein above:

1. Our liability under this Bank guarantee shall not exceed **Rs. _____ (RupeesOnly)**
2. This Bank guarantee will be valid up to _____; and
3. We are liable to pay the guarantee amount or any part thereof under this Bank

Guarantee only upon service of a written claim or demand by you on or before _____ (date of expiry of BG plus claim period, if any)

In witness whereof the Bank, through the authorized officer has sets its hand and stamp on this _____ day of _____ at.

Yours faithfully,

For and on behalf of _____

Bank Authorised Official

Annexure 14: Bidder's Particulars

#	Particulars	
1.	Name of the Bidder	
2.	Address with E mail id, Mobile no. and Pincode	
3.	GST Number	
4.	Bank Details	
5.	PAN Number	
6.	Name of Authorised Person Mobile No: Landline No:	
7.	i. Email ID ii. Alternative Email ID	
8.	Details of Document cost / Tender fee	UTR/Reference No. date & Amount
9.	Details of EMD	BG/UTR/Reference No. date & Amount
10.	Exemption Certificate details (if applicable). Eg: MSME/Udyog Aadhar certificate etc.	Please upload copy of the same along with details

Signature

Name:

Designation:

Seal of Company

Date:

Annexure 15: Compliance Certificate with respect to RBI's "Master Direction on Outsourcing of Information Technology Services"

(This letter should be on the letterhead of the bidder)

Date:-----

To,
General Manager-IT
DIT, Central Bank of India, Central Office,
Sector 11, CBD Belapur,
Mumbai – 400614

Subject: RFP for expansion of Private Cloud, establishment of Containerization Platform & GPU Servers on x86 Server Architecture for future Projects.

Sir,

With reference to above, we <<<<**Name of the Company**>>>> hereby furnish and confirm the details as given below: -

1. Date of Agreement-
2. Expiry Date of Agreement
3. Type of Entity: Group Company/Not a group Company
4. Name of Directors of Company
5. Is any of the Director(s), Key Managerial Personnel and their relatives are stated above related to Central Bank of India: YES/NO

Note: - The terms 'control', 'director', 'key managerial personnel', and 'relative' have the same meaning as assigned under the Companies Act, 2013 and the Rules framed thereunder from time to time.

Authorized Signatory Name:

Designation:

Email and Phone

Annexure 16: NPA UNDERTAKING

Performa of letter to be given by all the bidders participating in RFP for Augmentation, Refresh of System Supporting Application at Bank on their official letter-head

Date:

To,
General Manager-IT,
Central Bank of India, Central Office,
Sector 11, CBD Belapur,
Navi Mumbai - 400614

Sir,

Subject: RFP for expansion of Private Cloud, establishment of Containerization Platform & GPU Servers on x86 Server Architecture for future Projects

We _____ (bidder name), hereby undertake that-

- We have not been declared NPA by any Bank in India.
- Further, we do not have any pending case with any organization across the globe which affects our credibility to service the Bank.

Yours faithfully,

Authorised Signatory

Designation

Bidder's corporate name

Annexure17: Land Border Sharing Undertaking Letter

Pro forma of letter to be given by all the bidders participating in the RFP for Augmentation, Refresh of System Supporting Application at Bank on their official letter-head

To

Date:

General Manager –IT,
Central Bank of India, Central Office,
Sector 11,
CBD Belapur,
Navi Mumbai – 400614

Sir,

Sub: RFP for expansion of Private Cloud, establishment of Containerization Platform & GPU Servers on x86 Server Architecture for future Projects

Dear Sir/Madam,

We, M/s _____ are a private/ public limited company/ LLP/ firm <strike off whichever is not applicable> incorporated under the provisions of the Companies Act, 1956/2013, Limited Liability Partnership Act 2008/ Indian Partnership Act 1932, having our registered office at _____ (referred to as the “Bidder”) are desirous of participating in the Tender Process in response to our captioned RFP and in this connection we hereby declare, confirm and agree as follows:

We, the Bidder have read and understood the contents of the RFP and Office Memorandum & the Order (Public Procurement No.1) both bearing no.F.No.6/18/2019/PPD of 23rd July 2020 issued by Ministry of Finance, Government of India on insertion of Rule 144 (xi) in the General Financial Rules (GFRs) 2017 and the amendments & clarifications thereto, regarding restrictions on availing/ procurement of goods and services, of any Bidder from a country which shares a land border with India and/ or sub-contracting to contractors from such countries.

In terms of the above and after having gone through the said amendments including in particular the words defined therein (which shall have the same meaning for the purpose of this Declaration cum Undertaking), we, the Bidder hereby declare and confirm that:

Strike off whichever is not applicable

1. “I/we have read the clause regarding restrictions on procurement from a bidder of the country which shares a land border with India; I/ we certify that _____ is not from such a country.
2. “I/we have read the clause regarding restrictions on procurement from a Bidder of a country which shares a land border with India; I/we certify that _____ is from such a country. I hereby certify that _____ fulfils all requirements in this regard and is eligible to be considered. [Valid registration by the Competent Authority is attached]”

Further, in case the work awarded to us, I/we undertake that I/we shall not subcontract any of assigned work under this engagement without the prior permission of Bank.

Further, we undertake that I/we have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that our subcontractor is not from such a country or, if from such a country, has been registered with the Competent Authority and will not subcontract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that our sub-contractor fulfils all requirements in this regard and is eligible to be considered. [Valid registration by the Competent Authority]”

We, hereby confirm that we fulfil all the eligibility criteria as per the office memorandum/ order mentioned above and RFP and we are eligible to participate in the Tender process. We also agree and accept that if our declaration and confirmation is found to be false at any point of time including after awarding the contract, Bank shall be within its rights to forthwith terminate the contract/ bid without notice to us and initiate such action including legal action in accordance with law. Bank shall also be within its right to forfeit the security deposits/ earnest money provided by us and also recover from us the loss and damages sustained by the Bank on account of the above.

This declaration cum Undertaking is executed by us through our Authorized signatory/ ies after having read and understood the Office Memorandum and Order including the words defined in the said order.

Dated this _____ by _____ 20__

Yours faithfully,

Authorized Signatory

Name:

Designation:

Bidder's Corporate Name:

Address:

Email & Phone No.:

List of documents enclosed:

1. Copy of Certificate of valid registration with the Competent Authority (strike off if not applicable)
2. _____
3. _____
4. _____

Annexure 18: Cover Letter

Date:

To

General Manager-IT
DIT, Central Bank of India, Central Office,
Sector 11, CBD Belapur,
Mumbai - 400614

Dear Sir/Madam,

1. Having examined the Scope Documents including all Annexures, the receipt of which is hereby duly acknowledged, we, the undersigned offer to supply, deliver, install and maintain all the items mentioned in the 'Request for Proposal' and the other schedules of requirements and services for your Bank in conformity with the said Scope Documents in accordance with the schedule of Prices indicated in the Price Bid and made part of this Scope.
2. If our Bid is accepted, we undertake to abide by all terms and conditions of this Scope and also to comply with the delivery schedule as mentioned in the Scope Document.
3. We agree to abide by this bid Offer for 180 days from date of bid (Commercial Bid) opening and our Offer shall remain binding on us which may be accepted by the Bank any time before expiry of the offer.
4. This Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.
5. We undertake that in competing for and if the award is made to us, in executing the subject Contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".
6. We certify that we have provided all the information requested by the Bank in the format prescribed for. We also understand that the Bank has the exclusive right to reject this offer in case the Bank is of the opinion that the required information is not provided or is provided in a different format.

Authorised Signatory

(Name: Contact Person, Phone No., Fax, E-mail)

(This letter should be on the letterhead of the Bidder duly signed by an authorized signatory)

Annexure 19: [Escalation Matrix]Ref: Tender No - **GEM/2026/B/7118455**

Date: -

To
The General Manager-IT
Department of Information Technology
Central Bank Of India
Plot No -26, Sector-11, CBD Belapur-400614, Navi Mumbai

Sir,

Reg: RFP for expansion of Private Cloud, establishment of Containerization Platform & GPU Servers on x86 Server Architecture for future Projects

Escalation Matrix.

Name of the Company**Delivery Related Issues:**

Sr .	Name	Designation	Full Office Address	Phone No.	Mobile	Email address
A		First Level Contact				
B		Second level Contact				
C		Third level Contact				
D		Country Head				

Service Related Issues:

Sr .	Name	Designation	Full Office Address	Phone No.	Mobile	Email address
a		First Level Contact				
b		Second level Contact				
c		Third level Contact				
d		Country Head				

Any change in designation, substitution will be informed by us immediately.

(Signature of the Bidder with Seal)

Full name and Designation of authorized signatory

Date:

Phone No.:

E-mail:

Annexure 20: Query Format

Queries:

Sr. No.	Page #	Point / Section #	Query	Banks Response (Bidder Should not fill in this column)
1				
2				
3				
4				
5				
6				
7				
8				
9				

Date:

Authorised Signatory & Stamp

(Name: Contact Person, Phone No., Fax, E-mail)

Annexure 21: Eligibility Criteria Compliance

Bidder needs to comply with the eligibility criterion mentioned below. Non-compliance with any of these criteria would result in outright rejection of bidder's proposal. Bidder is expected to provide proof for each of the points for eligibility evaluation criteria. Any credential detail not accompanied by required relevant proof documents will not be considered for evaluation. All credential letters should be appropriately bound, labeled and segregated in the respective areas. There is no restriction on the number of credentials a bidder can provide.

The decision of Bank pertaining to Eligibility Criteria evaluation would be final and binding on all the bidders. Bank may accept or reject an offer without assigning any reason whatsoever.

#	Eligibility of the Bidder and OEM	Documents to be submitted	Compliance (Y/N)
1.	Bidder should be a Registered company under Indian Companies Act. 1956/2013 or LLP/Partnership firm and should have been in existence for a minimum period of 5 years in India, as on date of submission of RFP.	Copy of the Certificate of Incorporation issued by Registrar of Companies/Registrar of firms and full address of the registered office of the bidder	
2.	Bidder should be registered under G.S.T and/or tax registration in state where bidder has a registered office	Proof of registration with GSTIN	
3.	The bidder must have an annual average turnover in India of INR 300 crores in the last three financial years (i.e. 2022-23, 2023-24, 2024-25) as per the audited balance sheet available at the time of submission of tender, of individual company and not as group of companies	Copy of audited Balance Sheet and Certificate of the Chartered Accountant for preceding three FYs.	
4.	The bidder should have made operating profits in at least two financial years out of last three financial years. (i.e. 2022-23, 2023-24, 2024-25)	Copy of audited Balance Sheet and Certificate of the Chartered Accountant for preceding three FYs.	
5.	The bidder should have a positive net worth in last three financial years. (i.e. 2022-23, 2023-24, 2024-25)	Certificate of the Chartered Accountant for preceding three FYs.	
6.	The Bidder should be a certified or an Authorized partner of the OEM of the offered solution 5. Internal Private Cloud Infrastructure x86 Hardware 6. Hypervisor/Virtualisation Software 7. GPU Server Hardware 8. Kubernetes Software	Copy of MAF from OEMs as per format (Annexure 8) to be submitted, and confirmation from OEMs confirming the partnership level of the Bidder	

#	Eligibility of the Bidder and OEM	Documents to be submitted	Compliance (Y/N)
7.	The Hardware OEMs of x86 and GPU Server should have the following ISO certifications: ISO 9001:2015, ISO 14001:2015 or latest	Copy of Certificates	
8.	The bidder should also have the valid ISO Certification of ISO 9001:2015, ISO 27001:2018, ISO 20000-1:2018 or latest	Copy of Certificates	
9.	Bidder should have service/support infrastructure at Mumbai and Hyderabad and should be able to provide efficient and effective support.	Submit the undertaking self-declaration on Bidder's letter head	
10.	Bidder should have experience of having Supplied & implemented the following Components - 4. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order, 5. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order 6. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order, in Scheduled Commercial Bank / BFSI /NBFC / PSU in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.	Credential letter from the Scheduled Commercial Bank / BFSI / NBFC / PSU mentioning that the Components are successfully Supplied and implemented in their organization.	
11.	Each proposed OEM product 4. Internal Private Cloud Infrastructure using minimum 75 number of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order, 5. Minimum 8 numbers of GPU Servers –in One Purchase Order 6. Kubernetes Software with minimum 300 cores / 12 Processor Socket License in One Purchase Order,	Credential letter from the Scheduled Commercial Bank / BFSI /NBFC mentioning that the Components are successfully Supplied and implemented in their organization.	

#	Eligibility of the Bidder and OEM	Documents to be submitted	Compliance (Y/N)
	should have been successfully implemented in at least one Scheduled Commercial Bank/BFSI /NBFC in India in last 5 years (2021-22, 2022-23, 2023-24, 2024-25, 2025-26).		
12.	At the time of bidding, the Bidder should not have been blacklisted / debarred/ by any Govt. / IBA/RBI/PSU /PSE/ or Banks, Financial institutes for any reason or non-implementation/ delivery of the order. Self-declaration to that effect should be submitted along with the technical bid.	Submit the undertaking self-declaration on Company's letter head	
13.	At the time of bidding, there should not have been any pending litigation or any legal dispute in the last five years, before any court of law between the Bidder or OEM and the Bank regarding supply of goods/services	Submit the undertaking self-declaration on Company's letter head	
14.	Bidder/OEM should not have - <ul style="list-style-type: none"> • NPA with any Bank /financial institutions in India • Any case pending or otherwise, with any organization across the globe which affects the credibility of the Bidder in the opinion of Central Bank of India to service the needs of the Bank 	Submit self-declaration on Company's letter head.	
15.	If the bidder is from a country which shares a land border with India, the bidder should be registered with the Competent Authority	Certified copy of the registration certificate	
16.	The Bidder or Its Technology Partner should not be owned or controlled by any Director, officer or employee of Central Bank of India or by related party having the same meaning as assigned under section 2(76) of the companies act or relative having same meaning as assigned section 2(77) of companies act 2013 read with rule 4 of the companies	Undertaking to be given by the Bidder at time of submission.	

#	Eligibility of the Bidder and OEM	Documents to be submitted	Compliance (Y/N)
	(specification of definition details) rules 2014.		

The bidder must submit only such document as evidence of any fact as required herein. The Bank, if required, may call for additional documents during the evaluation process and the bidder will be bound to provide the same.

*CBI reserves the right to verify references provided by the Bidder independently. Any decision of CBI in this regard shall be final, conclusive and binding up on the bidder. CBI may accept or reject an offer without assigning any reason whatsoever.

- 1) Bidders need to ensure compliance to all the eligibility criteria points.
- 2) In-case of corporate restructuring the earlier entity's incorporation certificate, financial statements, Credentials, etc. may be considered.
- 3) In case of business transfer where Bidder has acquired a Business from an entity ("Seller"), work experience credentials of the Seller in relation to the acquired business may be considered.
- 4) Purchase orders without relevant organization confirmation through a credential letter will not be considered as credentials.
- 5) If an agent submits a bid on behalf of the Bidder/ OEM, the same agent shall not submit a bid on behalf of another Principal/ OEM for the same solution.
- 6) Scheduled Commercial Bank does not include Payments Bank, Cooperative Banks or RRBs.
- 7) While submitting the bid, the Bidder is required to comply with inter alia the following CVC guidelines detailed in Circular No. 03/01/12 (No.12-02-6 CTE/SPI (I) 2 / 161730 dated 13.01.2012): 'Commission has decided that in all cases of procurement, the following guidelines may be followed:
 - i. *In RFP, either the Indian agent on behalf of the Bidder/OEM or Bidder/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same RFP. The reference of 'item/product' in the CVC guidelines refer to 'the final solution that bidders will deliver to the customer.'*
 - ii. *If an agent submits bid on behalf of the Bidder /OEM, the same agent shall not submit a bid on behalf of another Bidder /OEM in the same RFP for the same item/product.'*

Authorised Signatory

(Name: Contact Person, Phone No., Fax, E-mail)

(This letter should be on the letterhead of the Bidder duly signed by an authorized signatory)

Annexure 22: Guidelines on Banning of Business Dealing

1.0 GUIDELINES FOR INDIAN AGENTS OF FOREIGN SUPPLIERS

1.0 There shall be compulsory registration of agents for all Global (Open) Tender and Limited Tender. An agent who is not registered with CENTRAL BANK OF INDIA shall apply for registration in the prescribed Application –Form.

1.1 Registered agents will file an authenticated Photostat copy duly attested by a Notary Public/Original certificate of the principal confirming the agency agreement and giving the status being enjoyed by the agent and the commission/remuneration/salary/ retainer ship being paid by the principal to the agent before the placement of order by CENTRAL BANK OF INDIA.

1.2 Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties have stated that they are not paying any commission to the Indian agents, and the Indian representative is working on the basis of salary or as retainer, a written declaration to this effect should be submitted by the party (i.e. Principal) before finalizing the order

2.0 DISCLOSURE OF PARTICULARS OF AGENTS/ REPRESENTATIVES IN INDIA. IF ANY.

2.1 Tenderers of Foreign nationality shall furnish the following details in their offer:

2.1.1 The name and address of the agents/representatives in India, if any and the extent of authorization and authority given to commit the Principals. In case the agent/representative be a foreign Bank, it shall be confirmed whether it is real substantial Bank and details of the same shall be furnished.

2.1.2 The amount of commission/remuneration included in the quoted price(s) for such agents/representatives in India.

2.1.3 Confirmation of the Tenderer that the commission/ remuneration if any, payable to his agents/representatives in India, may be paid by CENTRAL BANK OF INDIA in Indian Rupees only.

2.2 Tenderers of Indian Nationality shall furnish the following details in their offers:

2.2.1 The name and address of the foreign principals indicating their nationality as well as their status, i.e. whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorizing the agent to make an offer in India in response to tender either directly or through the agents/representatives.

2.2.2 The amount of commission/remuneration included in the price (s) quoted by the Tenderer for himself.

2.2.3 Confirmation of the foreign principals of the Tenderer that the commission/remuneration, if any, reserved for the Tenderer in the quoted price (s), may be paid by CENTRAL BANK OF INDIA in India in equivalent Indian Rupees on satisfactory completion of the Project or supplies of Stores and Spares in case of operation items .

2.3 In either case, in the event of contract materializing, the terms of payment will provide for payment of the commission /remuneration, if any payable to the agents/representatives in India in Indian Rupees on expiry of 90 days after the discharge of the obligations under the contract.

2.4 Failure to furnish correct and detailed information as called for in paragraph-2.0 above will render the concerned tender liable to rejection or in the event of a contract materializing, the same liable to termination by CENTRAL BANK OF INDIA. Besides this there would be a penalty of banning business dealings with CENTRAL BANK OF INDIA or damage or payment of a named sum.

- 1) Introduction
- 2) Scope
- 3) Definitions
- 4) Initiation of banning / suspension
- 5) Suspension of business dealing
- 6) Ground on which banning of business dealings can be initiated
- 7) Banning of business dealings
- 8) Removal from list of approved agencies –suppliers/contractors
- 9) Show-cause notice
- 10) Appeal against the competent authority
- 11) Review of the decision by the competent authority
- 12) Circulation of names of agencies with whom business dealings have been banned

1. Introduction

1.1 Central Bank of India, being a Public Sector Enterprise and ‘State’, within the meaning of Article 12 of Constitution of India, has to ensure preservation of rights enshrined in Chapter III of the Constitution. CENTRAL BANK OF INDIA has also to safeguard its commercial interests. CENTRAL BANK OF INDIA deals with Agencies, who have a very high degree of integrity, commitments and sincerity towards the work undertaken. It is not in the interest of CENTRAL BANK OF INDIA to deal with Agencies who commit deception, fraud or other misconduct in the execution of contracts awarded / orders issued to them. In order to ensure compliance with the constitutional mandate, it is incumbent on CENTRAL BANK OF INDIA to observe principles of natural justice before banning the business dealings with any Agency.

1.2 Since banning of business dealings involves civil consequences for an Agency concerned, it is incumbent that adequate opportunity of hearing is provided and the explanation, if tendered, is considered before passing any order in this regard keeping in view the facts and circumstances of the case.

2. Scope

2.1 The General Conditions of Contract (GCC) of CENTRAL BANK OF INDIA generally provide that CENTRAL BANK OF INDIA reserves its rights to remove from list of approved suppliers / contractors or to ban business dealings if any Agency has been found to have committed misconduct and also to suspend business dealings pending investigation. If such provision does not exist in any GCC, the same may be incorporated. 2.2. Similarly, in case of sale of material there is a clause to deal with the Agencies / customers/ Buyers, who indulge in lifting of material in unauthorized manner. If such a stipulation does not exist in any Sale Order, the same may be incorporated.

2.3 However, absence of such a clause does not in any way restrict the right of Bank (CENTRAL BANK OF INDIA) to take action / decision under these guidelines in appropriate cases.

2.4 The procedure of (i) Removal of Agency from the List of approved suppliers / contractors; (ii) Suspension and (iii) Banning of Business Dealing with Agencies, has been laid down in these guidelines.

2.5 These guidelines apply to all the Units and subsidiaries of CENTRAL BANK OF INDIA.

2.6 It is clarified that these guidelines do not deal with the decision of the Management not to entertain any particular Agency due to its poor / inadequate performance or for any other reason.

2.7 The banning shall be with prospective effect, i.e., future business dealings.

3. Definitions

In these Guidelines, unless the context otherwise requires:

- 1) 'Party / Contractor / Supplier / Purchaser / Customer/Bidder/Tenderer' shall mean and include a public limited Bank or a private limited Bank, a firm whether registered or not, an individual, a cooperative society or an association or a group of persons engaged in any commerce, trade, industry, etc. 'Party / Contractor / Supplier / Purchaser / Customer/Bidder / Tenderer' in the context of these guidelines is indicated as 'Agency'.
- 2) 'Inter-connected Agency' shall mean two or more companies having any of the following features:
 - i. If one is a subsidiary of the other;
 - ii. If the Director(s), Partner(s), Manager(s) or Representative(s) are common;
 - iii. If management is common;
 - iv. If one owns or controls the other in any manner.
- 3) 'Competent Authority' and 'Appellate Authority' shall mean the following:
 - i. For Bank (entire CENTRAL BANK OF INDIA) wide Banning Executive Director (GAD) shall be the "Competent Authority" for the purpose of these guidelines. Chairman & Managing Director, CENTRAL BANK OF INDIA shall be the "Appellate Authority" in respect of such cases except banning of business dealings with Foreign Suppliers of imported coal/coke.
 - ii. For banning of business dealings with Foreign Suppliers of imported goods, CENTRAL BANK OF INDIA Executive Directors" Committee (EDC) shall be the "Competent Authority". The Appeal against the Order passed by EDC, shall lie with Chairman & Managing Director, as First Appellate Authority.
 - iii. In case the foreign supplier is not satisfied by the decision of the First Appellate Authority, it may approach CENTRAL BANK OF INDIA Board as Second Appellate Authority.
 - iv. For Zonal Offices Only
Any officer not below the rank of Deputy General Manager appointed or nominated by the Head of Zonal Office shall be the "Competent Authority" for the purpose of these guidelines. The Head of the concerned Zonal Office shall be the "Appellate Authority" in all such cases. e) For Corporate Office only

For procurement of items / award of contracts, to meet the requirement of Corporate Office only, Head of GAD shall be the “Competent Authority” and concerned Executive Director (GAD) shall be the “Appellate Authority”.

- v. Chairman & Managing Director, CENTRAL BANK OF INDIA shall have overall power to take Suo-moto action on any information available or received by him and pass such order(s) as he may think appropriate, including modifying the order(s) passed by any authority under these guidelines.
- 4) ‘Investigating Department’ shall mean any Department or Unit investigating into the conduct of the Agency and shall include the Vigilance Department, Central Bureau of Investigation, the State Police or any other department set up by the Central or State Government having powers to investigate.
- 5) ‘List of approved Agencies - Parties / Contractors / Suppliers / Purchasers / Customers / Bidders / Tenderers shall mean and include list of approved / registered Agencies - Parties/ Contractors / Suppliers / Purchasers / Customers / Bidders / Tenderers, etc.

4. Initiation of Banning / Suspension

Action for banning / suspension business dealings with any Agency should be initiated by the department having business dealings with them after noticing the irregularities or misconduct on their part. Besides the concerned department, Vigilance Department of each Unit /Corporate Vigilance may also be competent to advise such action.

5. Suspension of Business Dealings

5.1 If the conduct of any Agency dealing with CENTRAL BANK OF INDIA is under investigation by any department (except Foreign Suppliers of imported goods), the Competent Authority may consider whether the allegations under investigation are of a serious nature and whether pending investigation, it would be advisable to continue business dealing with the Agency. If the Competent Authority, after consideration of the matter including the recommendation of the Investigating Department, if any, decides that it would not be in the interest to continue business dealings pending investigation, it may suspend business dealings with the Agency. The order to this effect may indicate a brief of the charges under investigation. If it is decided that inter-connected Agencies would also come within the ambit of the order of suspension, the same should be specifically stated in the order. The order of suspension would operate for a period not more than six months and may be communicated to the Agency as also to the Investigating Department. The Investigating Department may ensure that their investigation is completed and whole process of final order is over within such period.

5.2 The order of suspension shall be communicated to all Departmental Heads within the Plants / Units. During the period of suspension, no business dealing may be held with the Agency.

5.3 As far as possible, the existing contract(s) with the Agency may continue unless the Competent Authority, having regard to the circumstances of the case, decides otherwise.

5.4 If the gravity of the misconduct under investigation is very serious and it would not be in the interest of CENTRAL BANK OF INDIA, as a whole, to deal with such an Agency pending investigation, the Competent Authority may send his recommendation to ED (GAD), CENTRAL BANK OF INDIA Corporate Office along with the material available. If Corporate Office considers that depending upon the gravity of the misconduct, it would not be desirable for all the Units and Subsidiaries of CENTRAL BANK OF INDIA to have any

dealings with the Agency concerned, an order suspending business dealings may be issued to all the Units by the Competent Authority of the Corporate Office, copy of which may be endorsed to the Agency concerned. Such an order would operate for a period of six months from the date of issue.

5.5 For suspension of business dealings with Foreign Suppliers of imported goods, following shall be the procedure:-

- i) Suspension of the foreign suppliers shall apply throughout the Bank including Subsidiaries.
- ii) Based on the complaint forwarded by ED (GAD) or received directly by Corporate Vigilance, if gravity of the misconduct under investigation is found serious and it is felt that it would not be in the interest of CENTRAL BANK OF INDIA to continue to deal with such agency, pending investigation, Corporate Vigilance may send such recommendation on the matter to Executive Director, GAD to place it before Executive Directors Committee (EDC) with ED (GAD) as Convener of the Committee. The committee shall expeditiously examine the report, give its comments/recommendations within twenty one days of receipt of the reference by ED, GAD.
- iii) If EDC opines that it is a fit case for suspension, EDC may pass necessary orders which shall be communicated to the foreign supplier by ED, GAD.

5.6 If the Agency concerned asks for detailed reasons of suspension, the Agency may be informed that its conduct is under investigation. It is not necessary to enter into correspondence or argument with the Agency at this stage.

5.7 It is not necessary to give any show-cause notice or personal hearing to the Agency before issuing the order of suspension. However, if investigations are not complete in six months' time, the Competent Authority may extend the period of suspension by another three months, during which period the investigations must be completed.

6. Ground on which Banning of Business Dealings can be initiated

6.1 If the security consideration, including questions of loyalty of the Agency to the State, so warrant;

6.2 If the Director / Owner of the Agency, proprietor or partner of the firm, is convicted by a Court of Law for offences involving moral turpitude in relation to its business dealings with the Government or any other public sector enterprises or CENTRAL BANK OF INDIA, during the last five years;

6.3 If there is strong justification for believing that the Directors, Proprietors, Partners, owner of the Agency have been guilty of malpractices such as bribery, corruption, fraud, substitution of tenders, interpolations, etc.;

6.4 If the Agency continuously refuses to return / refund the dues of CENTRAL BANK OF INDIA without showing adequate reason and this is not due to any reasonable dispute which would attract proceedings in arbitration or Court of Law;

6.5 If the Agency employs a public servant dismissed / removed or employs a person convicted for an offence involving corruption or abetment of such offence;

6.6 If business dealings with the Agency have been banned by the Govt. or any other public sector enterprise;

6.7 If the Agency has resorted to Corrupt, fraudulent practices including misrepresentation of facts and / or fudging /forging /tampering of documents;

6.8 If the Agency uses intimidation / threatening or brings undue outside pressure on the Bank (CENTRAL BANK OF INDIA) or its official in acceptance / performances of the job under the contract;

6.9 If the Agency indulges in repeated and / or deliberate use of delay tactics in complying with contractual stipulations;

6.10 Wilful indulgence by the Agency in supplying sub-standard material irrespective of whether pre-dispatch inspection was carried out by Bank (CENTRAL BANK OF INDIA) or not;

6.11 Based on the findings of the investigation report of CBI / Police against the Agency for malafide / unlawful acts or improper conduct on his part in matters relating to the Bank (CENTRAL BANK OF INDIA) or even otherwise;

6.12 Established litigant nature of the Agency to derive undue benefit;

6.13 Continued poor performance of the Agency in several contracts;

6.14 If the Agency misuses the premises or facilities of the Bank (CENTRAL BANK OF INDIA), forcefully occupies, tampers or damages the Bank's properties including land, water resources, forests / trees, etc.

(Note: The examples given above are only illustrative and not exhaustive. The Competent Authority may decide to ban business dealing for any good and sufficient reason).

7 Banning of Business Dealings

7.1 A decision to ban business dealings with any Agency should apply throughout the Bank including Subsidiaries.

7.2 There will be a Standing Committee in each Zone to be appointed by Head of Zonal Office for processing the cases of "Banning of Business Dealings" except for banning of business dealings with foreign suppliers of goods. However, for procurement of items / award of contracts, to meet the requirement of Corporate Office only, the committee shall be consisting of General Manager / Dy. General Manager each from Operations, Law & GAD. Member from GAD shall be the convener of the committee. The functions of the committee shall, inter-alia include:

- 1) To study the report of the Investigating Agency and decide if a prima-facie case for Bank- wide / Local unit wise banning exists, if not, send back the case to the Competent Authority.
- 2) To recommend for issue of show-cause notice to the Agency by the concerned department.
- 3) To examine the reply to show-cause notice and call the Agency for personal hearing, if required.
- 4) To submit final recommendation to the Competent Authority for banning or otherwise.

7.3 If Bank wide banning is contemplated by the banning Committee of any Zone, the proposal should be sent by the committee to ED (GAD) through the Head of the Zonal Office setting out the facts of the case and the justification of the action proposed along with all the relevant papers and documents. GAD shall get feedback about that agency from all other Zones and based on this feedback, a prima-facie decision for banning / or otherwise shall be taken by the Competent Authority. At this stage if it is felt by the Competent Authority that there is no sufficient ground for Bank wide banning, then the case shall be sent back to the Head of Zonal Office for further action at the Zone level. If the prima-facie decision for Bank-wide banning has been taken, ED (GAD) shall issue a show-cause notice to the agency conveying why it should not be banned throughout CENTRAL BANK OF INDIA.

After considering the reply of the Agency and other circumstances and facts of the case, ED (GAD) will submit the case to the Competent Authority to take a final decision for Bank-wide banning or otherwise.

7.4 If the Competent Authority is prima-facie of view that action for banning business dealings with the Agency is called for, a show-cause notice may be issued to the Agency as per paragraph 9.1 and an enquiry held accordingly.

7.5 Procedure for Banning of Business Dealings with Foreign Suppliers of imported goods.

- 1) Banning of the agencies shall apply throughout the Bank including Subsidiaries.
- 2) Based on the complaint forwarded by ED (GAD) or received directly by Corporate Vigilance, if gravity of the misconduct under investigation is found serious and it is felt that it would not be in the interest of CENTRAL BANK OF INDIA to continue to deal with such agency, pending investigation, Corporate Vigilance may send such recommendation on the matter to Executive Director, GAD to place it before Executive Directors' Committee (EDC) with ED (GAD) as Convener of the Committee.
- 3) The committee shall expeditiously examine the report, give its comments/recommendations within twenty one days of receipt of the reference by ED, GAD.
- 4) If EDC opines that it is a fit case for initiating banning action, it will direct ED (GAD) to issue show-cause notice to the agency for replying within a reasonable period.
- 5) On receipt of the reply or on expiry of the stipulated period, the case shall be submitted by ED (GAD) to EDC for consideration & decision.
- 6) The decision of the EDC shall be communicated to the agency by ED (GAD).

8 Removal from List of Approved Agencies - Suppliers / Contractors, etc.

8.1 If the Competent Authority decides that the charge against the Agency is of a minor nature, it may issue a show-cause notice as to why the name of the Agency should not be removed from the list of approved Agencies - Suppliers / Contractors, etc.

8.2 The effect of such an order would be that the Agency would not be disqualified from Competing in Open Tender Enquiries but Limited Tender Enquiry (LTE) may not be given to the Agency concerned.

8.3 Past performance of the Agency may be taken into account while processing for approval of the Competent Authority for awarding the contract.

9 Show Cause Notice

9.1 In case where the Competent Authority decides that action against an Agency is called for, a show-cause notice has to be issued to the Agency. Statement containing the imputation of misconduct or misbehaviour may be appended to the show-cause notice and the Agency should be asked to submit within 15 days a written statement in its defence.

9.2 If the Agency requests for inspection of any relevant document in possession of CENTRAL BANK OF INDIA, necessary facility for inspection of documents may be provided.

9.3 The Competent Authority may consider and pass an appropriate speaking order:

- i. For exonerating the Agency if the charges are not established;
- ii. For removing the Agency from the list of approved Suppliers / Contactors, etc.
- iii. For banning the business dealing with the Agency.

9.4 If it decides to ban business dealings, the period for which the ban would be operative may be mentioned. The order may also mention that the ban would extend to the interconnected Agencies of the Agency.

10 Appeal against the Decision of the Competent Authority

10.1 The Agency may file an appeal against the order of the Competent Authority banning business dealing, etc. The appeal shall lie to Appellate Authority. Such an appeal shall be preferred within one month from the date of receipt of the order banning business dealing, etc.

10.2 Appellate Authority would consider the appeal and pass appropriate order which shall be communicated to the Agency as well as the Competent Authority.

11 Review of the Decision by the Competent Authority

Any petition / application filed by the Agency concerning the review of the banning order passed originally by Competent Authority under the existing guidelines either before or after filing of appeal before the Appellate Authority or after disposal of appeal by the Appellate Authority, the review petition can be decided by the Competent Authority upon disclosure of new facts / circumstances or subsequent development necessitating such review. The Competent Authority may refer the same petition to the Standing Committee/EDC as the case may be for examination and recommendation.

12 Circulation of the names of Agencies with whom Business Dealings have been banned

12.1 Depending upon the gravity of misconduct established, the Competent Authority of the Corporate Office may circulate the names of Agency with whom business dealings have been banned, to the Government Departments, other Public Sector Enterprises, etc. for such action as they deem appropriate.

12.2 If Government Departments or a Public Sector Enterprise request for more information about the Agency with whom business dealings have been banned, a copy of the report of Inquiring Authority together with a copy of the order of the Competent Authority / Appellate Authority may be supplied.

12.3 If business dealings with any Agency has been banned by the Central or State Government or any other Public Sector Enterprise, CENTRAL BANK OF INDIA may, without any further enquiry or investigation, issue an order banning business dealing with the Agency and its interconnected Agencies.

12.4 Based on the above, Zonal Offices may formulate their own procedure for implementation of the Guidelines and same be made a part of the tender documents.

Annexure 23: [Undertaking of Information Security from Bidder]

Ref: Tender No - **GEM/2026/B/7118455**

Date: -

To,
The General Manager-IT
Department of Information Technology
Central Bank Of India
Plot No -26, Sector-11, CBD Belapur, Navi Mumbai-400614,

Sir,

Reg:- RFP for expansion of Private Cloud, establishment of Containerization Platform & GPU Servers on x86 Server Architecture for future Projects

We hereby undertake that the proposed product to be supplied will be free of malware, free of any obvious bugs and free of any covert channels in the code (of the version of the software being delivered as well as any subsequent versions/modifications done) which may lead to any data leakage/compromise of the server/solution or any cyber security incident in future.

We also undertake that :-

- 1) The product offered, as part of the contract, does not contain Embedded Malicious Code that would activate procedures to:
 - i) Inhibit the desires and designed function of the equipment.
 - ii) Cause physical damage to the user or equipment during the exploitation.
 - iii) Tap information resident or transient in the equipment/network
- 2) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software and any loss occurring due to the above may be recovered from the existing contracts.
- 3) To ensure that the setup / link provided for updation / downloading / authorisation of licenses either on Banks network or through Internet should be free of any malware / viruses etc. Any damages / losses caused to Bank due to aforesaid shall be passed on to the bidder account.

Yours faithfully,

(Signature of the Bidder with Seal)

Full name and Designation of authorized signatory

Date:

Phone No.:

E-mail:

Annexure 24: [Software Bill of Material (SBOM) Format]

SBOM FORMAT								
S N	Applica tion Name	Softw are Packa ges	Type Software (App/Web/DB /Middleware)	Installed Version/ Installed Date	Late st Vers ion	License Type (Perpetu al/ Subscri ption)	No. of Licenses/ AMC validity	OEM/ AMC Vendo r
1								
2								
3								
4								

The bidder must submit only such document as assurance regarding the accuracy, completeness and timelines of SBOM.

Yours faithfully,

(Signature of the Bidder with Seal)
Full name and Designation of authorized signatory
Date:

Annexure 25- Template for Third Party Due Diligence Questionnaire

Third Party Name					
Third Party Location					
Service Description					
S. N.	Domain	Sub-domain	Control question	Response	Comments (If any)
				(To be filled by Third Party)	
1	Governance	Strategy & Operating Model	Do you have a dedicated information / cyber security team, responsible for information security governance across the organization?		
2	Governance	Policies, Standards & Architecture	Do you have information / cyber security policy?		
3	Governance	Policies, Standards & Architecture	Are all your policies and procedures reviewed periodically?		
4	Governance	Cyber Risk Culture & Behaviour	Do you perform periodic risk assessments? If Yes, please define the frequency		
5	Governance	Cyber Risk Management, Metrics & Reporting	Is your environment ISO 27001: 2013 certified for the scope of the service being offered to Central Bank of India? If Yes, please provide the latest copy of the certification and specify the scope of implementation.		
6	Governance	Cyber Risk Management, Metrics & Reporting	Is your environment SOC 2 Type II attested or certified for the scope of the service being offered to Central Bank of India?		
7	Governance	Cyber Risk Management, Metrics & Reporting	Is your environment PCI - DSS certified for the scope of the service being offered to Central Bank of India?		
8	Governance	Cyber Risk Management, Metrics & Reporting	Are appropriate procedures & controls implemented to ensure compliance with the usage of proprietary software products?		
9	Resilient	Incident & Crisis Readiness	Do you have a formal document for incident management?		
10	Resilient	Incident & Crisis Readiness	Is awareness training given to your employees to identify information security events?		
11	Resilient	Incident & Crisis Readiness	Do you have a formal cyber crisis management plan?		

12	Resilient	Incident Response	a. Have you ever experienced a cybersecurity incident or data breach in last 3 years? This includes network, systems, software, etc. b. Will you notify Central Bank of India about any security, privacy incident, and event of disaster affecting Central bank of India services within 2 hrs of incident being identified? c. Are the root cause analysis is performed for the security incidents.		
13	Resilient	Incident Response	Please provide details if you have ever been subject to any enforcement actions, investigations or litigation related to privacy or information security?		
14	Resilient	BCP / DR	Do you have a Business Continuity / Disaster Recovery Plan in place at an organization level?		
15	Resilient	BCP / DR	Have you identified the events that could cause interruptions to business process?		
16	Resilient	BCP / DR			
17	Resilient	BCP / DR	Do you have a failover site? Please describe if that is Hot, Warm or Cold site.		
18	Resilient	BCP / DR	Is there sufficient redundant capacity to ensure services are not impacted in multi-tenant environments during peak usage?		
19	Resilient	BCP / DR	If You store Central Bank of India data - is backed up data tested on a regular basis? - is data backup encrypted?		
20	Information Security	Penetration Testing & Vulnerability Scanning	Do you periodically perform External IS Audit/ VAPA		
21	Information Security	Security Event Monitoring	1. Do you have mechanism to preserve Audit trail logs?		
22	Information Security	Network Security	Have you implemented Advance cyber security controls/ tools (eg. WAF, DDoS, Firewall , SIEM etc)		
23	Information Security	Customer Data Protection	Do you have the technical capabilities to identify & segregate Central Bank of India's data [including Bank's customer data] from other entities data and maintain confidentiality & integrity? Please describe and share the evidence.		

24	Ethics, Regulatory & Compliance	Ethics, Regulatory & Compliance	Has the third-party or has any of the third-party's owners directors/ shareholders/employees been the subject of any allegations, investigation, conviction and/or other relevant criminal practices relating to bribery or corruption in the last three years?		
25	Ethics, Regulatory & Compliance	Ethics, Regulatory & Compliance	Has the third-party complied with all applicable provisions of HR-related Acts, including, but not limited to Contract Labour (Regulation & Abolition) Act, Minimum Wages Act, Payment of Wages Act, Maternity Benefits Act, Payment of Gratuity Act, Equal Remuneration Act, Employee's Compensation Act, etc.?		
26	Ethics, Regulatory & Compliance	Ethics, Regulatory & Compliance	In the last three years has the third-party received any local/governmental citations or fines relating to labour issues?		
27	Data Privacy	Monitoring & Enforcement	Do you have Adequate data privacy and security controls in place to protect data integrity and confidentiality.		
28	Data Privacy	Monitoring & Enforcement	Do you have and regular data privacy training and awareness module for your employees?		
29	Operational	HR/Personnel Security	Do you perform a background screening or check prior to allowing constituent access to systems and data?		
30	Operational	Operation Management	Does the third-party have a defined process for tracking and ensuring compliance to SLAs / KPIs agreed with Central Bank of India?		
31	Operational	Operation Management	Are there adequate controls in place to monitor the activities undertaken through sub-contracting, including tracking of errors, etc.?		
32	Operational	Supply Chain Risk Management	Do you have documented & approved Organization level outsourcing risk management policy/framework to govern your third parties you are dependent upon?		
33	Operational	Supply Chain Risk Management	i. Have you obtained the prior consent from Central Bank of India for subcontracting complete or partial activities to third party[ies]		

34	Operational	Supply Chain Risk Management	Does your Agreement /Contract with your third parties who will be involved in provisioning/rendering services to Central Bank of India include a. Information/Data security/Regulatory requirements and applicable data security standards, privacy laws & data localization requirements b. Confidentiality c. Business Continuity d. Right to audit & seek information from the service provider.		
35	Strategic and Geographical	Country risk assessment	Do the third party provides service from India.		
36	Strategic and Geographical	Adverse Media	Has there been any adverse media published against the third party in past 2 years (relating to Financial Reporting, AML, Human Rights, Environmental Laws, Others etc.)). If Yes, please describe		
37	Financial Risk	Revenue Trend	Does the third party have a positive Net Worth/ Revenue Trend for last 3 financial years?		
38	Regulatory and Supervisory requirements		whether the service provider is located in India or abroad, the Service provide shall ensure that the outsourcing should neither impede nor interfere with the ability of the Bank to effectively oversee and manage the outsourcing activities. Further, the Service provide shall ensure that the outsourcing does not impede the RBI/ Auditor in carrying out its supervisory functions and objectives.		
39	Physical security	Physical & Environmental Security	a. Does vendor have physical and environmental security measures in place like CCTV, Fire extinguisher, fire alarm, Smoke detector, biometric, UPS, AC, etc. b. Is there regular fire drills performed?		

I /We hereby certified that the above information/data provided is correct and true. Bank can call for Evidence/ Documentary proof/ data in support of the above information for Audit / internal purpose anytime and the same will be provided and submitted to Bank as and when required

Authorised Signatory

Name & Designation of Authorised Signatory

MINIMUM TECHNICAL SPECIFICATIONS

HCI NODES			
Sr.No	Component	Required Technical Specification	Compliance Yes/No
1	Hypervisor	The proposed solution should be a Hyper converged infrastructure (HCI), should have Automation, Orchestration, Compute, Storage virtualization	
2	Hypervisor	The solution shall provide a purpose-built hypervisor with minimal footprint that installs directly on the bare metal x86 server hardware with no dependence on a general-purpose OS for greater reliability and security. This hypervisor should have inbuilt support for software defined storage and software defined network capabilities.	
3	Hypervisor	Support for heterogeneous guest OS - MS Window and Linux (Red Hat, CentOS, SuSE, Ubuntu, Debian). Respective MS Windows and Linux guest OS must certify the underlying hypervisor and should be available publicly.	
4	Hypervisor	Proposed hypervisor should support standard features like VM Migration, HA, & DRS/ADS. Should support HA for VM. All the above features should be licensed from Day 1.	
5	Hypervisor	Hypervisor should support the ability to hot add CPU and memory, hot-plug disks and NICs (provided the same is supported by guest OS)	
6	Hypervisor	Virtualization Management software should be deployed in clustered mode across nodes so that failure of host, OS, virtualization management software component should have zero downtime impact on the availability of Workload VMs.	
7	Hypervisor	Proposed hypervisor should support standard features like non-disruptive migration of workload across hosts, High Availability and Distributed resource scheduling during resource constraints.	
8	Hypervisor	Hypervisor shall provide live migration and initial placement along with balancing of available resources with the rules to define affinity and / or anti-affinity of workloads	
9	Hypervisor	Hypervisor should provide ability to grant / ensure resources to virtual machines as they need for hosting critical workloads. Also, the initial placement of workloads should consider CPU, Memory and Storage contentions / hotspots	
10	Hypervisor	Hypervisor shall provide zero downtime host patching with maintenance mode to move running workloads to other hosts on the platform with a consistent audit trail of the patching process.	

11	Hypervisor	Hypervisor should support UEFI/BIOS along with legacy BIOS for supported virtual guests OS, when available in hardware to ensure that only signed drivers & OS loaders are loaded while booting	
12	Hypervisor	Virtualization Manager must support Directory based/Open LDAP and SAML based authorization for management.	
13	Hypervisor	Virtualization Manager should provide feature which can perform quick, as-needed deployment of additional virtualized hosts. When the service is running, it can push out update images, eliminating patching and update without impacting production.	
14	Hypervisor	Hypervisor shall provide centralized interface from which virtual machine access switching for the entire datacentre can be configured, monitored, and administered.	
15	Hypervisor	Proposed platform should provide Virtual Machine performance reports for performance and utilization of virtual machines.	
16	Hypervisor	High availability capability that utilizes server health information and migrates VMs from failed hosts if the host failure occurs	
17	Hypervisor	Hypervisor should be able to provide integrated report for VM health at Real Time (IOPS / CPU Readiness / IO Size / IO Distribution / Memory Utilisation / CPU Utilisation). All above Parameter support	
18	Hypervisor	System should support Data Replication between DC and DR site with Enterprise Scalability to support VMs being replicated. Should be Synchronous, Asynchronous data replication	
19	Hypervisor	Hypervisor should provide Visibility for Running VM and their connectivity co-relationship with Network Ports on attached Physical TOR / Core Direct which Include Network RX/TX Bytes.	
20	Hypervisor	The solution shall provide the ability to expand virtual disks (boot and non-boot disks) without downtime and provide options for locating new virtual disks for existing workloads on different tiers of storage for both Windows and Linux workloads	
21	Hypervisor	It should allow dynamic adjustment of the teaming algorithm so that the load is always balanced across a team of physical adapters on a Virtual Switch.	
22	Hypervisor	The solution should be able to Migrate VM Workload to and from ESXi & Hyper-V Hypervisors to the proposed Hypervisor.	
23	Hypervisor	Should support TPM 2.0 and secure boot which provides protection for both the hypervisor and guest operating system by ensuring images have not been tampered with and preventing loading of unauthorized components.	

24	Hypervisor	It should support affinity and anti-affinity rules to set constraints that restrict placement of a virtual machine to a subset of hosts in a cluster and to keep virtual machines paired or separated using GUI/CLI.	
25	Hypervisor	Virtualization software or the solution should provide Cluster level encryption protects unauthorized data access at-rest.	
26	Hypervisor	Proposed platform should be able to support One-to-many relationships for replication of VMs in the manner of Site A to Site B and Site A to Site C	
27	Hypervisor	The proposed solution should be able to provide Disaster Recovery and Replication capability for the OS-Level Clustered VMs	
28	Hypervisor	The solution shall provide the ability to create new virtual machines from scratch or based on templates / blueprints	
29	Hypervisor	The solution shall support configurations of 802.1q VLANs which are compatible with standard VLAN implementations from other vendors	
30	Hypervisor	The solution shall provide the ability to rapidly on-board new hosts by automatically deploying reference configurations including networking settings	
31	Hypervisor	Virtualization software shall allow taking point-in-time snapshots of the virtual machines to be able to revert back to an older state if required	
32	Hypervisor	Virtualization software should have the ability to thin provision disks to avoid allocating all storage space upfront. Full monitoring capabilities and alerts to prevent from accidentally running out of physical storage space should be there.	
33	Hypervisor	The Solution should be able to monitor the resources utilized for the a particular VM/Application & giving the insight of the underlying infrastructures used (like server and Storage components used	
34	Software Defined Storage	The solution must have De-duplication and Compression features licensed and implemented from day one (Should not have dependency on any proprietary hardware device).	
35	Software Defined Storage	Solution must support Data at Rest Encryption with AES 256 Bit natively or drive based with use of any third-party tool or external key manager	
36	Software Defined Storage	The proposed solution should be HCI based and it should be 100% software defined and should not leverage any specialized hardware (proprietary) other than x86 Hardware to run virtualization layer with Software Defined Storage. The solution must be Hardware OEM agnostic.	
37	Software Defined Storage	The proposed solution should be HCI based and it must have metadata distributed on all nodes in a cluster i.e. each node in the cluster should carry information about data lying across the cluster and capacity utilization / distribution across the cluster at all times.	

38	Software Defined Storage	The proposed storage solution should be an All Flash NVME storage (Enterprise Class)	
39	Software Defined Storage	Shall support Storage scalability by adding Disk Adding Node by Auto rebalancing	
40	Software Defined Storage	The proposed solution should provide framework to set storage policies like mirroring, failure tolerance, IOPs on a per-VM basis and should also allow changes to these policies on the fly without restart of virtual machines.	
41	Software Defined Storage	The proposed solution should support for hosting their SDS (Software Defined Storage) component with choice of server's hardware available from leading OEM's.	
42	Software Defined Storage	Each Node Must be installed and configured based on best practice or OEM Validated design document.	
43	Software Defined Storage	The proposed solution must be capable of moving the VM's across the nodes within the cluster without any downtime	
44	Software Defined Storage	The proposed SDS (Software Defined Storage) should be embedded within the hypervisor kernel itself or with an external control VM. Bidder needs to provide the Sizing and overhead requirement over and above the usable resources for Hypervisor, HCI, Replication, File Services, Object Storage and DR Orchestration software with public domain reference document.	
45	Software Defined Storage	Software define storage should have Native Data @ REST Encryption feature with Minimum FIPS 140-2 level 2 Compatible Standard.	
46	Software Defined Storage	Storage should Have flexibility to Switch ON Only compression / Deduplication Compression on Storage Volumes respectively	
47	Software Defined Storage	The proposed solution should support RPO & RTO for critical workload as per Bank requirement. The proposed solution should have native Replication and DR Orchestration from Day-1.	
48	Software Defined Storage	The solution provided should function even after one node failure.	
49	Software Defined Storage	The Platform must provide management through a web-based HTML 5 console. Must provide storage, compute & hypervisor metrics per VM/Node level as well as health and monitoring of entire platform. Platform should support LDAP &	

		Active Directory integration	
50	Software Defined Storage	The Platform must support monitoring via SNMPv3 and email alerting via SMTP	
51	Software Defined Storage	The proposed solution should support REST API for third party integrations.	
52	Software Defined Storage	Proposed software storage solution should integrate with hypervisor for planned and unplanned activities like maintenance mode activities or during unexpected failure of hosts and during compute resource crunch due to workload utilization of resources.	
53	Software Defined Storage	The proposed solution should be capable of adding additional combined server and storage components, seamlessly, without node downtime, to scale performance and capacity on demand.	
54	Software Defined Storage	The solution should provide enterprise data services such as compression completely in software. Software Defined Storage solution must have de-duplication and compression features Licensed and implemented from day one. These functionalities should be part of the proposed solution. The solution must have functionality to support compression and or deduplication online on data container without any downtime and data loss as per business requirement.	
55	Software Defined Storage	The proposed solution should be able to take VM's snapshot at any time irrespective of VM's state (Power ON/Power OFF)	
56	Software Defined Storage	The solution must support migration or replication of Virtual machines across disaster recovery sites, so that key virtual machines can be recovered in times of disaster.	
57	Automation	solution should support multi VM blueprints with approval policies with integrated platform automation	
58	Operations	Platform should provide compliance and security operation report and monitoring	
59	Operations	Platform should provide network traffic flow details across VM , ports etc. and help which will help with network security policies	
60	Operations	Platform should support multi-tenancy and Virtual private cloud constructs with RBAC policies for VM	
61	Operations	Platform should support lifecycle management and Fleet management of entire infrastructure without impacting the workload VM and Kubernetes application	

62	Operations	Bidder has to migrate physical and Virtual Windows and Linux workloads to the Proposed Private Cloud Solution	
63	Operations	Single Web Interface Central Management for Compute, Network, Storage and Clustering.	
64	Operations	The solution should be able to automate planned migrations with graceful shutdown of protected virtual machines at the original site thus ensuring zero data loss and application-consistent migrations	
65	Operations	Virtualization software shall have High Availability capabilities for the virtual machines in the sense if in case one server fails all the Virtual machines running on that server shall be able to migrate to another physical server running same virtualization software. The feature should be independent of Operating System Clustering.	
66	Operations	Virtualization software should have the provision to provide minimum downtime, zero data loss and continuous availability for the applications running in virtual machines in the event of physical host failure, without the cost and complexity of traditional hardware or software clustering solutions.	
67	Operations	The solution shall support configurations of 802.1q VLANs which are compatible with standard VLAN implementations from other vendors	
68	Management	The solution must provide management through a web based console. Solution should support LDAP & Active Directory integration	
69	Operations	Solution licenses should be transferrable to hardware in case of hardware EOL & EOS or non-availability. Additional Licenses should be provided if required when adding Memory or Disks without additional cost to Bank.	
70	Management	Proposed software storage solution should integrate with hypervisor for planned and unplanned activities like maintenance mode activities or during unexpected failure of hosts and during compute resource crunch due to workload utilization of resources.	
71	Management	The solution should be capable to scale-up (by adding disks), scale-out (by adding nodes) and Scale-down (removal of node from cluster) architecture with no disruption to the workloads already running on the platform	
72	Management	Solution should be able to take VM's snapshot/Storage snapshot at any time irrespective of VM's state (Power ON/Power OFF/Suspended)	
73		The solution should have catalogue of private cloud and should support self-service provisioning capabilities	
74	Management	The proposed solution should support application lifecycle management with automated orchestration across multiple hypervisor and cloud.	

75	Management	The solution should provide RBAC features across automation and monitoring layer in line with existing Bank infrastructure	
76	Management	The solution should provide ability to orchestrate readymade workflows with third-party integrations via APIs to simplify the use of complementary IT service management tools and products.	
77	Management	The solution should have Life Cycle Management Work flows: Provisioning, cloning, re-sizing, snapshot, deletion etc. There should be zero manual intervention in this entire process.	
78	Management	The Solution should have the capabilities for customization of dashboards. Bidder should also create the required dashboards as per Banks requirement.	
79	Management	Must be able to maintain versioning of blueprints/ templates / Marketplace.	
80	Management	Administrator must be able to manage/control the Repository view for the tenants and enable multi tenancy. Any authorised user must be able to deploy the application using the published blueprint/template in his application Repository.	
81	Management	The solution should provide capability of generating reports for usage, performance, compliance, health, forecasting, capacity etc.	
82	Management	The solution shall provide a single pane of glass for automated provisioning with model-based orchestration of compute, network, storage, applications and custom services.	
83	Management	The solution must allow to provision and manage the resources.	
84	Management	The solution must allow restriction of vCPU, Memory and Disk resources to group of users	
85	Management	The solution must allow/support disk image of Windows, Windows Server and all variant of Linux.	
86	Management	The solution must have an approval process to review, reject or approve the blueprints/templates.	
87	Management	The administrator Blueprint/template can define the vCPU & memory for each virtual machine.	
88	Management	The software must allow the administrator to design multiple VMs blueprint/template.	
89	Management	The Software should support AD authentication through LDAP	
90	Management	The solution should provide resource reclamation functionality which identifies and reclaims inactive and abandoned resources by automating the decommissioning and reuse of retired resources. It should also provide reclamation savings reports which would enable organizations to quantify its cost savings.	

91	Management	The solution shall support approval policies integrated with email/SMS notifications such that approvals/ rejections can be done..	
92	Management	The solution shall provide an orchestration engine with ready workflows and ability to create custom workflows based on SOAP/ REST operations and PowerShell scripts..	
93	Management	The proposed Private Cloud solution must be ready for containers, Kubernetes and Dockers deployment.	
94	Management	The solution should provide capacity optimization capabilities to identify over-provisioned & under- provisioned resources and provide recommendations, alerts and automated actions on right-sizing and resource consumption so they can be right-sized for adequate performance and avoid resource wastage. Should provide visibility of capacity and VMs which can be reclaimed and cost visibility of the reclaimed capacity and VMs.	
95	Management	The Management software should be capable of creating baseline configuration of the upcoming upgrades and patches.	
96	Management	The Solution should be capable of creating custom dashboard with reporting as per Banks requirement. Solution should be able to scan/search objects with advanced search option for faster access to require information for trouble shooting.	
97	Management	The Solution should have Log Analytics available to make troubleshooting easier. Solution should provide a single location to collect, store and analyse unstructured data.	
98	Management	The Solution should provide Dashboard and it should allow to search for certain event patterns and types for troubleshooting.	
99	Management	Virtualization management software console shall provide a single view of all virtual machines, Host and Cluster allow monitoring of system availability and performance and automated notifications with email alerts.	
100	Management	The virtualization management software should provide the core administration interface as a single Web based interface. This interface should be flexible and robust and should simplify the hypervisor control through shortcut navigation, custom tagging, enhanced scalability.	
101	Management	The management software should provide means to perform quick, as-needed deployment of additional hypervisor hosts. This automatic deployment should be able to push out update images, eliminating patching and the need to schedule patch windows.	
102	Management	The virtualization should have capability to simplify host deployment and compliance by creating virtual machines from configuration templates.	

103	Management	Virtualization management software console shall provide reports for performance and utilization of Virtual Machines. It shall co-exist and integrate with leading systems management vendors.	
104	Management	Virtualization management software console shall provide capability to monitor and analyze virtual machines, and server utilization and availability with detailed performance graphs.	
105	Management	Virtualization management software console shall allow to Move a powered off & Powered ON virtual machine from one physical server to another by dragging and dropping the virtual machine or by selecting the host within the cluster. Virtualization management software console should allow cloning of both powered on and powered off virtual machines.	
106	Management	Virtualization management software console shall maintain a record of significant configuration changes and the administrator who initiated them.	
107	Management	Virtualization management software console shall provide the Manageability of the complete inventory of virtual machines, and physical servers with greater visibility into object relationships.	
108	Management	Virtualization management software should support user role and permission assignment (RBAC).	
109	Management	Virtualization management software should allow reliable and non-disruptive migrations for Physical/ Virtual machines running Windows and Linux operating systems to virtual environment.	
110	Security	The solution shall provide visibility of network traffic between the Apps / VMs.	
111	Security	The solution should provide a stateful /Stateless distributed firewall such that the firewalling for Virtual Machines can be provided closest to the application within the server itself without traffic going to a Physical Firewall.	
112	Security	The firewall-rule table of the solution should be designed for ease of use and automation with virtualized objects for simple and reliable policy creation.	
113	Security	The solution should provide embedded/virtual machine distributed firewall and should provide near line rate performance.	
114	Security	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.	
115	Security	The solution shall lend itself to network monitoring by supporting standards protocols (for remote network analysis).	
116	Security	The solution shall provide ready integration with the proposed platform to automate delivery of networking & security services such as switching, routing and firewalling.	

117	Security	The solution should provide distributed routing so that the routing between Virtual Machines with different IP Subnets can be done in the logical space of Hypervisor without traffic going out of the physical router.	
118	Security	The solution should be capable to provide agentless/Light weight agent guest and network introspection services.	
119	Security	The solution should provide an integrated networking solution & firewalling services at Layer 2/Layer 3.	
120	Security	The solution should integrate with industry-leading Solutions for antivirus, malware, intrusion prevention, and next- gen security services.	
121	Security	The Security policies must follow the VM in the event of migration within the datacentre.	
122	Security	The Solution should be capable of supporting major hardware OEMs like Juniper, Arista, Cisco, HPE and Dell.	
123	Security	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 datacentre.	
124	Security	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.	
125	Security	The solution should be highly programmable through APIs integration from a central management point and can be integrated with major industry software automation management / cloud tools to automate end users' service requests.	
126	Security	The solution should provide overlay network & security virtualization and should work on any underlay physical network devices make and topology.	
127	Security	The solution should support virtual Distributed Switch which is a generic software defined switch platform that is supported on proposed hypervisor.	
128	Security	The solution should offer to deploy virtualized network functions (like vSwitching, firewalling), administrators can build virtual networks for Virtual Machines or Virtual Desktop Infrastructure without the need for complex VLANs, ACLs or hardware configuration syntax on underlay physical network.	
129	Security	The solution should support multi-site network and security for virtual workloads.	
130	Security	The solution should provide micro-segmentation	

131	Security	The security policies in the virtualization layer must be tied to the application VM, which means whenever any application is moved from one virtualized server to another, even between different VLANs, the security policies should follow the application and there should be no need to redefine the security policies for the application at the new location.	
132	Security	The solution should support service insertion via the TOR or at the Hypervisor / SDN level for all/specific traffic between VMs in the Datacentres can be redirected to a dynamic chain of security partner services.	
133		The solution should support Secure VPN between two Datacentres or between on premise to public cloud.	
134		backup	
135	Security	The solution should support of backup/restore of the centralized Management appliance configuration.	
136	Security	The solution should provide the ability to provide native application isolation for providing zero trust security for the application and should allow for on- demand creation of security groups and policies.	
137	Security	The solution should support network & security virtualization operations and troubleshooting.	
138	Security	The private cloud security solution should offer converged visibility and analytics that tie together compute, network, storage and security and provide Physical to Virtual Correlation and troubleshooting. This visibility must also report the amount of Internet, virtual machine to virtual machine, virtual machine to physical traffic within the Datacentre.	
139	Security	Proposed solution should support IPV4 & IPV6.	
140	Security	The proposed solution should natively identify which application a particular packet or flow is generated by, independent of the port that is being used.	
141	Security	The proposed solution should provide uniform micro segmentation capabilities across all sites.	
142	Security	The proposed solution should support traffic visibility, network monitoring, distributed firewall planning and management.	
143	Security	The solution should automatically generate policy recommendations based on intrinsic understanding of application topology. This allows will easily create, enforce, and manage granular micro segmentation policies and leverage object-based policy model for automation.	
144	Security	The Solution should provide the health of the various relative subcomponents in a topology diagram which can be monitored and reported.	

145	Security	The solution should support Virtual edge devices as Virtual appliance for networking and security functions for routing connectivity to physical network, NAT, Firewalling.	
146	Security	Solution Should support Data at Rest and Data in Transit Encryption with AES 256 Bit and have capability to enable or disable each one separately.	
147	Licenses	Bidder has to provide separate Platform Management Software Licenses.	
148	Management	The Proposed Solution should provide Log management capability to manage Application, infrastructure and audit log efficiently.	

KUBERNETES SOFTWARE			
Sr.No	Component	Required Technical Specification	Compliance Yes/No
1	Kubernetes Platform	The proposed Kubernetes platform should run upstream Kubernetes On-premises	
2	Kubernetes Platform	The proposed Kubernetes platform should allow engineers to manage not just day-1 provisioning, but also day-2 cluster operations—such as scaling, updates, and monitoring	
3	Kubernetes Platform	The proposed Kubernetes platform should be designed to handle the demands of modern AI workloads. It should provide secure and stable access to GPUs and CPUs, with all necessary drivers properly configured	
4	Kubernetes Platform	Kubernetes platform proposed by the bidder should support Identity Providers like GitHub, LDAP, OIDC and SAML for authentication	
5	Kubernetes Platform	Kubernetes platform should support automated scaling of the worker nodes by adding/removing new worker nodes to the cluster without any manual intervention	
6	Kubernetes Platform	The proposed Kubernetes platform should support Air-Gapped or Dark-site deployments	
7	Kubernetes Platform	Kubernetes platform should allow creation of Kubernetes Network Policies to implement pod-level firewall rules, giving the user fine-grained control over which pods and services can communicate with each other.	
8	Kubernetes Platform	Kubernetes platform should have features like Layer-4 Network Load Balancing, layer-7 Service Routing with advanced routing and traffic management capabilities	

9	Kubernetes Platform	Kubernetes platform should provide a cli with streamlined upgrade process for kubernetes clusters, Node OS and for the add-on platform services	
10	Kubernetes Platform	The proposed Kubernetes platform should have a built-in Cluster Autoscaler which automatically adjusts the size of Kubernetes cluster based on current demand, ensuring the right amount of resources at any given time	
11	Kubernetes Platform	Kubernetes platform should allow a user to configure Worker Node pools which can be upgraded in a rolling update or maintenance without affecting the entire cluster	
12	Kubernetes Platform	The proposed solution should have observability stack with advanced logging virtualization, tracing and troubleshooting features to provide insights, dashboard.	
13	Kubernetes Platform	The proposed Kubernetes platform should allow enforcing strict policy controls which minimizes configuration drift, ensuring consistent application performance and security.	
14	Kubernetes Platform	The proposed Kubernetes platform should have built-in alert management capabilities across the Kubernetes clusters to consolidate the alert data to monitor the overall health and performance	
15	Kubernetes Platform	The proposed platform should allow integration with notification receivers like slack, email and web hook receivers	
16	Kubernetes Platform	The proposed Kubernetes platform should have built-in rich data services to protect stateful applications by offering storage replication to ensure data is safe across the environment in the event of a disaster	
17	Kubernetes Platform	The proposed platform should support Valero to simplify backup and migration of Kubernetes clusters	
18	Kubernetes Platform	The proposed Kubernetes platform should have an application catalogue from where a user can deploy some of the pre-published applications to the kubernetes clusters	
19	Kubernetes Platform	The proposed kubernetes platform should be capable of providing insights into events and metrics for you managed and attached Kubernetes clusters with the capability of drilling down to Kubernetes dashboard and observability stack for root cause analysis	
20	Kubernetes Platform	The proposed kubernetes platform should have a broader support for multiple Operating Systems like Rocky Linux, Ubuntu, RHEL	

21	Kubernetes Platform	The proposed solution should have Kubernetes Management Platform, Hybrid Cloud Platform, Software Defined Storage, Software Defined Networking, AI Platform and Life Cycle Management solution all from the same OEM for streamlined support	
22	Kubernetes Platform	The proposed Kubernetes Platform should provide ability to the developers for defining application policies that intelligently drive complicated self-service operations for data backup and disaster recovery	
23	Kubernetes Platform	The proposed Kubernetes Platform should have built-in support for defining snapshots and disaster recovery policies as part of the platform	
24	Kubernetes Platform	The solution support automated deployment to Kubernetes Pods.	
25	Kubernetes Platform	The proposed Kubernetes Platform should have the ability to provide insights related to configuration, availability, Best Practices and Security for containerized applications deployed on Prem.	
26	Kubernetes Platform	The proposed Kubernetes platform should support Container Networking Interface for Cloud-native Networking	
27	Management	The Proposed Solution should provide Log management capability to manage Application, infrastructure and audit log efficiently.	

AI SOFTWARE		
Sr.No	Component	Compliance Yes/No
1	The proposed AI platform should support on-premises deployment , The proposed AI solution should support x86 architecture	
2	The proposed AI platform should be licensed to allow to Import an LLM manually and import an NVIDIA NIM from NGC catalogue.	
3	Should allow the users to upload their own and custom AI (LLM) models. Deploy fine tuned LLMs. Deploy third party models (ML +LLM)	
4	Create AI inference endpoints, Real-time inference, OpenAI-compatible endpoints, Model Runtime & API Gateway, Horizontal scaling.	
5	It should support GPU Pass-through, vGPU support, GPU reservations, GPU sharing (Time - slicing / MIG), Heterogeneous vGPU profiles, NV Switch.	

6	GPU Monitoring & Performance, Cluster GPU utilization (real-time & historical), GPU memory & compute monitoring, GPU temperature monitoring, Host-level GPU metrics, Performance insights.	
7	Should support RAG, Data & Vector Capabilities, RAG-compatible modular architecture, Vector embedding generation, Data indexing & retrieval service, Unstructured document parsing	
8	Should support Deep Learning VM workloads, CUDA, PyTorch, Tensor Flow, NVIDIA RAG, NeMo, Jupiter/ Notebook integration, Agent Builder , playground	
9	Operating System with Kubernetes	
10	The Solution should provide pre-flight testing	
11	The Solution should provide dashboard, infrastructure summary	
12	The Solution should provide capturing of audit logs such as LLM Model, Password resetting, User login.	

HCI NODES

Sl.No.	Features	Details	Compliance (Yes/No)
1	Form Factor	Rack Mounted	
2	Configured CPU	Should support up to two sockets X86 processors latest generation, (2 x CPU sockets populated with each CPU socket having - minimum 48 Cores @ 2.6 GHz or higher clock speed; 144MB or higher Cache)	
3	Memory slots	Support up to 24DDR5 DIMM slots RDIMMS supporting speeds up to min 6000MT/s and scalable up to 6TB of Memory	
4	Memory configured	Each node should be configured with minimum 1024 GB (16x64GB) DDR5 memory Day1	
5	Capacity Drive	Each Node should support Minimum 24 x NVMe Drives with Minimum 90 TB Raw Capacity per node with each Drives Size of more than 6TB	
6	Boot Optimised SSD's	Each Server should be configured with min 2 * 480GB using latest M.2 SSD drives with H/W boot RAID controller providing RAID 1 functionality	
7	Network Connectivity	Each node should have 12 x 10/25G Ethernet Ports and 25G SFPs optics Included	

8	Certification Compliance	and Hypervisor Certified Servers with latest version Operating System : Microsoft Windows Server, Red Hat Enterprise Linux (RHEL), SuSE Linux, Oracle Enterprise Linux (OEL) Support	
9	Power Supply	Redundant Power Supply with C13-C14 cables	
10	Power & temperature	Integrated diagnostics and Power monitoring and reporting, Dynamic Power capping.	
11	Configuration Management &	The server Management software should be deployed on-premises & should be able to manage all servers across all locations from a Single pane of glass	
12		System should support multiple management interface like HTML5 based Web UI, REST API integration. Management solution should be able to manage different form factor hardware such as Rack Servers, Blade Servers, Modular servers, Dense GPU Servers etc. from a Single pane of glass without requiring multiple software tools	
13		The management software should participate in server provisioning, device discovery, inventory, diagnostics, monitoring, fault detection, auditing, and statistics collection.	
14		System should support multiple management interface like HTML5 based Web UI, REST API integration. Management solution should be able to manage different form factor hardware such as Rack Servers, Blade Servers, Modular servers, Dense GPU Servers etc from a Single pane of glass without requiring multiple software tools	
15		The Management software should provide Global Monitoring of Health and Inventory Status of all servers across locations from a single pane of glass, including Graphical server views showing health of the servers, Remote management including Remote Power ON, Power off, launch vKVM, Context launch server management interface, Policy based firmware management, , Operating System Installation, hardware performance monitoring & alerting etc.	
16		The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues.	

17		The proposed solution should have customizable dashboard to show overall faults / health / inventory for all managed infrastructure. With option to create unique dashboards for individual users. The user should have flexibility to select names for dashboards and widgets (ex:- health, utilization etc.)	
18		Field Advisory and EOL/EOS notices	
19		Policy-based configuration with Server Profiles	
20		Policy based management - including firmware policy, which enforces the hardware system to adopt administrator set FW level (up or down) on the server.	
21		The management software should have an intelligent recommendation engine to analyse current hardware type, firmware installed, OS type and installed drivers, and automatically compare to the certified HCL (Hardware Compatibility List) and alert if there are any incompatibilities or issues.	
22		The proposed management solution should provide policy control to prevent drift of server configurations.	
23		The server should support industry standard management protocols like IPMI v2 and SNMP v3 and Redfish v1.01	
24		Sustainability policies: support for Power Policy Management for Servers, BIOS and OS, Dynamic power Rebalancing etc., such that the administrator can use the power policies to control power behaviour and settings	
26		TPM 2.0 TCG FIPS140-2 Compliant	
27		Proactive Security and SW advisory alerts via Server management platform	
28		Power-on password & Admin password	
29		HW root of trust - Secure Boot	
30		HW policy based security	
31		Chassis intrusion detection	
32		Rack Server intrusion detection	
33		Anti-counterfeit protection	

34		Secure BIOS recovery	
35		Digitally signed firmware	
36	IPV 6 compliance	The Hardware should be IPV 6 Compliant ready	
37	Warranty	5 years hardware support with disk retention	
38		The solution should have support for predictive hardware component failure.	

KUBERNETES NODES			
Sl.No.	Features	Details	Compliance (Yes/No)
1	Form Factor	Rack Mounted	
2	Configured CPU	Should support up to two sockets X86 processors latest generation, (2 x CPU sockets populated with each CPU socket having - minimum 32 Cores @ 2.6 GHz or higher clock speed; 144MB or higher Cache)	
3	Memory slots	Support up to 24DDR5 DIMM slots RDIMMS supporting speeds up to min 6000MT/s and scalable up to 6TB of Memory	
4	Memory configured	Each node should be configured with minimum 1024 GB (16x64GB) DDR5 memory Day1	
5	Capacity Drive	Each Node should support Minimum 24 x NVMe Drives with Minimum 45TB Raw Capacity per node	
6	SAN Connectivity	2 x HBA Card 16/32GB Dual Port PCIE with 32GB compatible Fiber Channel SFP	
7	Boot Optimised SSD's	Each Server should be configured with min 2 * 480GB using latest M.2 SSD drives with H/W boot RAID controller providing RAID 1 functionality	
8	Network Connectivity	Each node should have 12 x 10/25G Ethernet Ports and 25G SFPs optics Included	
9	Certification and Compliance	Certified Servers with latest version of Operating System: Red Hat Enterprise Linux (RHEL), SuSE Linux, etc. Support	
10	Power Supply	Redundant Power Supply with C13-C14 cables	
11	Power & temperature	Integrated diagnostics and Power monitoring and reporting, Dynamic Power capping.	
12	Configuration & Management	The server Management software should be deployed on-premises & should be able to manage all servers across all locations from a Single pane of glass	
13		System should support multiple management interface like HTML5 based Web UI, REST API integration. Management solution should be able to manage different form factor hardware such as Rack Servers, Blade Servers, Modular servers, Dense GPU Servers etc. from a Single pane of glass without requiring multiple software tools	
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16		The Management software should provide Global Monitoring of Health and Inventory Status of all servers across locations from a single pane of glass, including Graphical server views showing health of the servers, Remote management including Remote Power ON, Power off, launch vKVM, Context launch server management interface, Policy based firmware management, , Operating System Installation, hardware performance monitoring & alerting etc.	
17		The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues.	
18		The proposed solution should have customizable dashboard to show overall faults / health / inventory for all managed infrastructure. With option to create unique dashboards for individual users. The user should have flexibility to select names for dashboards and widgets (ex:- health, utilization etc.)	
19		Field Advisory and EOL/EOS notices	
20		Policy-based configuration with Server Profiles	
21		Policy based management - including firmware policy, which enforces the hardware system to adopt administrator set FW level (up or down) on the server.	
22		The management software should have an intelligent recommendation engine to analyse current hardware type, firmware installed, OS type and installed drivers, and automatically compare to the certified HCL (Hardware Compatibility List) and alert if there are any incompatibilities or issues.	
23		The proposed management solution should provide policy control to prevent drift of server configurations.	
24		The server should support industry standard management protocols like IPMI v2 and SNMP v3 and Redfish v1.01	
25		Sustainability policies: support for Power Policy Management for Servers, BIOS and OS, Dynamic power Rebalancing etc, such that the administrator can use the power policies to control power behaviour and settings	
26		TPM 2.0 TCG FIPS140-2 Compliant	
27		Proactive Security and SW advisory alerts via Server management platform	
28		Power-on password & Admin password	
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30		HW policy based security	
31		Chassis intrusion detection	
32		Rack Server intrusion detection	
33		Anti-counterfeit protection	
34		Secure BIOS recovery	
35		Digitally signed firmware	

36	IPV 6 compliance	The Hardware should be IPV 6 Compliant ready	
37	Warranty	5 years hardware support with disk retention	
38		The solution should have support for predictive failure hardware component.	

MANAGEMENT NODES			
SNO	Features	Details	Compliance (Yes/No)
1	Form Factor	Rack Mounted	
2	Configured CPU	Should support up to two sockets X86 processors latest generation, (2 x CPU sockets populated with each CPU socket having - minimum 24 Cores @ 2.4 GHz or higher clock speed; 144MB or higher Cache)	
3	Memory slots	Support up to 24 DDR5 DIMM slots RDIMMS supporting speeds up to min 6000MT/s and scalable up to 6TB of Memory	
4	Memory configured	Each node should be configured with 1024 GB DDR5 memory Day1	
5	Capacity Drive	Each Node should support Minimum 24 x NVMe Drives Minimum 45TB Raw Capacity per node	
6	Boot Optimised SSD's	Each Server should be configured with min 2 * 480GB using latest M.2 SSD drives with H/W boot RAID controller providing RAID 1 functionality	
7	Network Connectivity	Each node should have 8 x 10/25G Ethernet Ports and 25G SFPs optics Included /	
8	Certification and Compliance	Certified Servers with latest version Operating System Red Hat Enterprise Linux (RHEL), SuSE Linux, etc. Support	
9	Power Supply	Redundant Power Supply with C13-C14 cables	
10	Power & temperature	Integrated diagnostics and Power monitoring and reporting, Dynamic Power capping.	
11	Configuration & Management	The server Management software should be deployed on-premises & should be able to manage all servers across all locations from a Single pane of glass	
12		System should support multiple management interface like HTML5 based Web UI, REST API integration. Management solution should be able to manage different form factor hardware such as Rack Servers, Blade Servers, Modular servers, Dense GPU Servers etc. from a Single pane of glass without requiring multiple software tools	
13		The management software should participate in server provisioning, device discovery, inventory, diagnostics, monitoring, fault detection, auditing, and statistics collection.	

14		System should support multiple management interface like HTML5 based Web UI, REST API integration. Management solution should be able to manage different form factor hardware such as Rack Servers, Blade Servers, Modular servers, Dense GPU Servers etc. from a Single pane of glass without requiring multiple software tools	
15		The Management software should provide Global Monitoring of Health and Inventory Status of all servers across locations from a single pane of glass, including Graphical server views showing health of the servers, Remote management including Remote Power ON, Power off, launch vKVM, Context launch server management interface, Policy based firmware management, Operating System Installation, hardware performance monitoring & alerting etc.	
16		The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues.	
17		The proposed solution should have customizable dashboard to show overall faults / health / inventory for all managed infrastructure. With option to create unique dashboards for individual users. The user should have flexibility to select names for dashboards and widgets (ex:- health, utilization etc.)	
18		Field Advisory and EOL/EOS notices	
19		Policy-based configuration with Server Profiles	
20		Policy based management - including firmware policy, which enforces the hardware system to adopt administrator set FW level (up or down) on the server.	
21		The management software should have an intelligent recommendation engine to analyse current hardware type, firmware installed, OS type and installed drivers, and automatically compare to the certified HCL (Hardware Compatibility List) and alert if there are any incompatibilities or issues.	
22		The proposed management solution should provide policy control to prevent drift of server configurations.	
23		The server should support industry standard management protocols like IPMI v2 and SNMP v3 and Redfish v1.01	
24		Sustainability policies: support for Power Policy Management for Servers, BIOS and OS, Dynamic power Rebalancing etc., such that the administrator can use the power policies to control power behaviour and settings	
25		TPM 2.0 TCG FIPS140-2 Compliant	
26		Proactive Security and SW advisory alerts via Server management platform	

27		Power-on password & Admin password	
28		HW root of trust - Secure Boot	
29		HW policy based security	
30		Chassis intrusion detection	
31		Rack Server intrusion detection	
32		Anti-counterfeit protection	
33		Secure BIOS recovery	
34		Digitally signed firmware	
35	IPV compliance	6 The Hardware should be IPV 6 Compliant ready	
36	Warranty	5 years hardware support with disk retention	
37		The solution should have support for predictive failure hardware component.	

GPU NODES			
SNO	Features	Details	Compliance (Yes/No)
1	Rack	Should be supplied with OEM Rack	
2	Configured CPU	Should support up to two sockets X86 processors latest generation, (2 x CPU sockets populated with each CPU socket having - minimum 32 Cores @ 2.9 GHz or higher clock speed; 144MB or higher Cache)	
3	Configured GPU	Minimum 2x NVIDIA NVL PCIE GPU with minimum 140GB capacity per GPU (H200) from Day 1 (NVIDIA NVAIE License 5 years should be included)	
4	Memory slots	Support up to 32 DDR5 DIMM slots RDIMMS supporting speeds up to min 6000MT/s and scalable up to 6TB of Memory	
5	Memory configured	Each node should be configured with 1024 GB (1TB) DDR5 memory Day1	
6	Capacity Drive	Each Node should support Minimum 16 NVMe Drives with Tri Mode RAID Controller Minimum 45TB Raw Capacity per node (RAID 5)	
7	Network Connectivity	Each node should have 8 x 10/25G Ethernet Ports and 25G SFPs of 8 Numbers optics must be Included	
8	SAN Connectivity	2 x HBA Card 16/32GB Dual Port PCIE with 32GB compatible Fiber Channel SFP	
9	Boot Optimised SSD's	Each Server should be configured with min 2 * 480GB using latest M.2 SSD drives with H/W boot RAID controller providing RAID 1 functionality	
10	Software	Kubernetes Licenses, NVIDIA AI Enterprise + Base Command Software, NVLink bridge, CUDA Toolkit, cuDNN (CUDA Deep Neural Network library)	
11	Certification and Compliance	Operating System: Microsoft Windows Server, Red Hat Enterprise Linux (RHEL), SuSE Linux, etc. Support	

12	Power Supply	Redundant Power Supply with C13-C14 cables	
13	Power & temperature	Integrated diagnostics and Power monitoring and reporting, Dynamic Power capping.	
14	Configuration & Management	The server Management software should be deployed on-premises & should be able to manage all servers across all locations from a Single pane of glass	
15		System should support multiple management interface like HTML5 based Web UI, REST API integration. Management solution should be able to manage different form factor hardware such as Rack Servers, Blade Servers, Modular servers, Dense GPU Servers etc. from a Single pane of glass without requiring multiple software tools	
16		The management software should participate in server provisioning, device discovery, inventory, diagnostics, monitoring, fault detection, auditing, and statistics collection.	
17		System should support multiple management interface like HTML5 based Web UI, REST API integration. Management solution should be able to manage different form factor hardware such as Rack Servers, Blade Servers, Modular servers, Dense GPU Servers etc. from a Single pane of glass without requiring multiple software tools	
18		The Management software should provide Global Monitoring of Health and Inventory Status of all servers across locations from a single pane of glass, including Graphical server views showing health of the servers, Remote management including Remote Power ON, Power off, launch vKVM, Context launch server management interface, Policy based firmware management, , Operating System Installation, hardware performance monitoring & alerting etc.	
19		The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues.	
20		The proposed solution should have customizable dashboard to show overall faults / health / inventory for all managed infrastructure. With option to create unique dashboards for individual users. The user should have flexibility to select names for dashboards and widgets (ex:- health, utilization etc.)	
21		Field Advisory and EOL/EOS notices	
22		Policy-based configuration with Server Profiles	
23		Policy based management - including firmware policy, which enforces the hardware system to adopt administrator set FW level (up or down) on the server.	
24		The management software should have an intelligent recommendation engine to analyse current hardware type, firmware installed, OS type and installed drivers, and automatically compare to the certified HCL (Hardware	

		Compatibility List) and alert if there are any incompatibilities or issues.	
25		The proposed management solution should provide policy control to prevent drift of server configurations.	
26		The server should support industry standard management protocols like IPMI v2 and SNMP v3 and Redfish v1.01	
27		Sustainability policies: support for Power Policy Management for Servers, BIOS and OS, Dynamic power Rebalancing etc., such that the administrator can use the power policies to control power behaviour and settings	
28		TPM 2.0 TCG FIPS140-2 Compliant	
29		Proactive Security and SW advisory alerts via Server management platform	
30		Power-on password & Admin password	
31		HW root of trust - Secure Boot	
32		HW policy based security	
33		Chassis intrusion detection	
34		Rack Server intrusion detection	
35		Anti-counterfeit protection	
36		Secure BIOS recovery	
37		Digitally signed firmware	
38	IPV 6 compliance	The Hardware should be IPV 6 Compliant ready	
39	Warranty	5 years hardware support with disk retention from OEM. If any of the component of the Server goes end of support it should be replaced with equivalent or higher component at no cost to the Bank.	
40		The solution should have support for predictive failure hardware component.	

TOR SWITCHES		
TOR (10/25G Fibre) Switch Specification		
SNO	Details	Compliance (Yes/No)
1	The Switch should support non-blocking Layer 2 switching and Layer 3 routing	
2	Switch should support the complete STACK of IPv4 and IPv6 services.	
3	The Switch used have the capability to function in line rate for all ports	
4	Minimum 48 ports support 1/10/25 Gbps SFP ports. The proposed switch should support native 25G and should be populated with 48* 10/25G Multimode fiber transceivers for downlink connectivity & 6*40/100G ports with 6*40/100G multimode Transceivers, for uplink connectivity.	

5	Switch should have console port for local management & management interface for Out of band management	
6	Switch should be rack mountable and support side rails if required	
7	Switch should be provided with power redundancy	
8	Switch should support Graceful Restart for OSPF, BGP etc.	
9	Switch should support minimum 1000 VRF instances with route leaking functionality	
10	The switch should support 500k IPv4 LPM routes	
11	The line card proposed in the Switch should have minimum 0.7MB packet buffer per port	
12	The switch should support 16k multicast routes	
13	Switch should support minimum 3.6 Tbps of switching capacity	
14	Switch should support Network Virtualisation using Virtual Over Lay Network using VXLAN (RFC 7348)	
15	Switch should support VXLAN (RFC7348) and EVPN symmetric IRB (RFC 7432) for supporting Spine - Leaf architecture to optimise the east - west traffic flow inside the data centre	
16	Spanning Tree Protocol (IEEE 802.1D, 802.1W, 802.1S)	
17	Switch should support VLAN Trunking (802.1q)	
18	Switch should support minimum 64K no. of MAC addresses	
19	Switch should support VLAN tagging (IEEE 802.1q)	
20	Switch should support IEEE Link Aggregation and Ethernet Bonding functionality (IEEE 802.3ad) to group multiple ports for redundancy	
21	Switch should support Link Layer Discovery Protocol as per IEEE 802.1AB for finding media level failures	
22	Switch should support layer 2 extension over VXLAN (RFC7348) across all Datacentres to enable VM mobility & availability	
23	The switch should support BGP EVPN (RFC 7432) Route Type 2, Type 4 and Route Type 5 for the overlay control plane	
24	Switch should support static and dynamic routing	
25	Switch should support MPLS segment routing and VRF route leaking functionality from day 1	
26	Switch should provide multicast traffic reachable using:	
27	a. PIM-SM (RFC 4601)	
28	b. PIM-SSM (RFC 3569)	
29	d. Support Multicast Source Discovery Protocol (MSDP) (RFC 3618)	
30	e. IGMP v1, v2 and v3	
31	Switch system should support 802.1P classification and marking of packet using:	
32	a. CoS (Class of Service)	
33	b. DSCP (Differentiated Services Code Point)	
34	Switch should support for different type of QoS features for real time traffic differential treatment using	
35	a. Weighted Random Early Detection	
36	b. Strict Priority Queuing	

37	Switch should support to trust the QoS marking/priority settings of the end points as per the defined policy	
38	Switch should support control plane Protection from unnecessary or DoS traffic by control plane protection policy	
39	Switch should support for external database for AAA using:	
40	a. TACACS+	
41	b. RADIUS	
42	Switch should support to restrict end hosts in the network. Secures the access to an access or trunk port based on MAC address. It limits the number of learned MAC addresses to deny MAC address flooding	
43	Switch platform should support MAC Sec (802.1AE) in hardware	
44	Switch should support for Role Based access control (RBAC) for restricting host level network access as per policy defined	
45	Switch should support Spanning tree BPDU protection	
46	Switch should support for sending logs to multiple centralised syslog server for monitoring and audit trail	
47	Switch should provide remote login for administration using:	
48	a. Telnet	
49	b. SSHv2	
50	Switch should support for capturing packets for identifying application performance using local and remote port mirroring for packet captures	
51	Switch should support for management and monitoring status using different type of Industry standard NMS using:	
52	a. SNMP v1 and v2, SNMP v3 with Encryption	
53	Switch should provide different privilege for login in to the system for monitoring and management	
54	All relevant licenses for all the above features and scale should be quoted along with switch	
55	Switch and optics should be from the same OEM	
56	Product and its various features like switching and other inbuilt features etc. should not have any licensing restriction on number of users, concurrent connections, total connections, number of VLANs/mac addresses, number of routes, number of vrf /zones, number of policies and other network parameters	

	FIDO2 PASSWORDLESS AUTHENTICATION		
SNO	Features	Details	Compliance (Yes/No)
1	Standards & Certification	Solution must be FIDO2 compliant (WebAuthn + CTAP2)	
	Standards & Certification	Product must be FIDO Alliance Certified	
2	Authentication Capability	Support password less authentication (no passwords)	
	Authentication Capability	Support biometric and hardware security keys	
3	Cryptography	Use asymmetric public key cryptography	
	Cryptography	Private keys must never leave the user device	
4	Platform Support	Support Windows, macOS, Linux, Android, iOS	

	Platform Support	Support Chrome, Edge, Firefox, Safari	
5	Integration	Support SAML 2.0, OAuth 2.0, OpenID Connect	
	Integration	Provide REST APIs for integration	
6	User Lifecycle	Support user enrolment, revocation, recovery	
7	Security Controls	Phishing-resistant authentication	
	Security Controls	No server-side biometric data storage	
8	Logging & Auditing	Detailed authentication and admin logs	
	Logging & Auditing	SIEM integration via Syslog/API	
9	Availability & Scale	High availability and horizontal scalability	
	Availability & Scale	Support up to 500 users	
10	Deployment	Support On-Prem deployment. The FIDO2-certified authentication platform deliver high availability, low-latency, and continuously operational authentication service, with protection against single-node failures and authentication service disruptions.	
11	Administration and Reporting	Centralized management console with RBAC and customised Report generation as per Bank Requirement	
12	Token	The FIDO2 Software should be supplied with Physical Tokens	

COMMERCIAL BILL OF MATERIAL	
Instructions	
S.No.	Guidelines
I	Summary of Total Cost
1	The bidder is expected to quote the costs for all items required for fully complying with the requirements of the RFP and the corrigendum's in the respective sections of the price bid. The prices for the respective sections would be deemed to include all components required to successfully utilise the solution.
2	CBI is not responsible for any arithmetic errors in the commercial bid details sheet committed by the bidders. All formulas & arithmetical calculations will be Vendor's responsibility.
3	The bidder is expected to specify the type of licences along with the details with respect to quantity, rate, etc., wherever applicable.
4	In case the bidder includes/combines any line item as part of any other line item in the commercial bid, then this has to be clearly mentioned in the description indicating the line item which contains the combination
5	The bidder has to quote for each line item. If any line item is part of the solution proposed in the RFP response, it has to be referenced. If it is not applicable, then the Bidder has to mention Not Applicable (NA).
6	The Bidder may insert additional line items as applicable based on the solution offered in the respective tabs
7	The Bidders should quote as per the format of Bill of Material ONLY and a masked replica of the Bill of Material should be enclosed in the technical bid.
8	Bidder is required to cover component by component licensing details for each of the software components proposed to CBI
9	The <u>masked</u> Bill of Materials which would be submitted as part of the Technical Bill of Material should contain "XX" for ALL the corresponding commercial values that will be present in the unmasked Bill of Material that will be part of the Commercial submission.
10	All amounts in the Bill of Material should be in INR (Indian Rupee)
11	The Bidder should to the extent possible stick to the same structure of the Bill of Material. Hence, the bidder is not expected to delete necessary rows.
12	Any additional number of items (software, hardware) and services to be procured by CBI in future shall be on pro-rata basis on the rates provided in the Bill of Material.
13	If the bidder has not quoted for any line item mentioned in the Bill of Material, it will deem considered that bidder has factored the cost for the item in the Bill of Material and No Additional charges will be paid other than the one mentioned in the Bill of Material.
14	The Total cost of Ownership of this tender will be the Grand Total - TCO quoted by the Bidder of the Summary Sheet of Annexure-2 Commercial Bill of Material.
15	The Annual Maintenance cost should be minimum 8% per year of the cost of respective Product cost

16	The Annual Technical Support should be minimum 20% per year of the cost of Product/ Service/ License
II	Hardware
1	The bidder has to quote for each line item. If any line item is part of the solution proposed in the RFP response, it has to be referenced. If it is not applicable, then the Bidder has to mention Not Applicable (NA).
2	The Bidder can insert additional line items as applicable based on the solution offered in the various tabs
3	The hardware type , model and detailed configuration has to be clearly described in the Description column
4	The Bidder shall provide the maintenance (Warranty & ATS) for entire contract period.
4	The bidder is required to supply implement and provide warranty & AMC/ATS of the hardware & associated software required for the solution for the tenure of the contract
IV	Installation, Implementation & Migration
1	Bidder shall comply to the Installation & commissioning, implementation and Migration scope provided in the RFP
2	Bidder should quote for end to end Installation & commissioning, implementation and Migration scope as mentioned in the rfp
3	Activities and functions to be undertaken for installation and implementation of the licensed software should be as per the RFP.
V	AMC & ATS
1	Bidder is expected to provide a detailed break up of all products and services that are under the scope as part of the technical bid, in the technical bill of materials i.e. the above format is expected to be replicated for each item to be covered under the scope of facilities management.
2	The AMC, ATS costs for Production DC,NS & DR have to be quoted separately
3	If required, the Bidder has to create additional line items in this section.

<u>SUMMARY</u>									
S.No	Item Description	Year 1	Year 2	Year 3	Year 4	Year 5	Total Amount for 5 years (in INR)	GST Amount (INR)	Grand Total (Total Amount + GST Amount) (INR)
		Cost in in INR							
1	Software Cost	xx					xx	xx	xx
2	Software Implementation Cost	xx					xx	xx	xx
3	Software ATS		xx	xx	xx	xx	xx	xx	xx
4	Hardware Cost	xx					xx	xx	xx
5	Hardware Installation Cost	xx					xx	xx	xx
6	Hardware AMC				xx	xx	xx	xx	xx
7	FMS	xx	xx	xx	xx	xx	xx	xx	xx
					Grand Total - TCO		XX	XX	XX
Refer to individual sheet for Year-Wise Cost									
The Total cost of Ownership of this tender will be the Grand Total - TCO quoted by the Bidder of the Summary Sheet of Annexure-2 Commercial Bill of Material.									
<u>Total Cost in Words:</u>									

Software Cost

S.No	Make /Model	Details of the proposed System Software along with Version details	License Type	Quantity	Unit Price	Total Amount (INR)	GST Amount (INR)	Grand Total (Total Amount + GST Amount) (INR)
Note	Bank reserves the right to issue a repeat order for any of the component or services at the same price subject to a maximum of 25% of ordered cost/quantity during the Contract period.							
Server and Application Software								
1	Internal Private Cloud Hypervisor and other Software licenses per core as per Technical Specification and Scope of Work. Licenses should be Perpetual/ Subscription Based	XX	XX	4608	XX	XX	XX	XX
2	Internal Private Cloud Windows Server Datacentre Operating System Software Licenses , 2 core licenses	XX	XX	768	XX	XX	XX	XX
3	Red Hat VDC LICENSES Standard	XX	XX	16	XX	XX	XX	XX
4	Internal Private Cloud Management Servers Software Licenses	XX	XX	8	XX	XX	XX	XX

5	Operating System Licenses for Internal Private Servers Cloud Management Servers	XX	XX	8	XX	XX	XX	XX
6	Kubernetes Licenses for Servers each with 64 Cores	XX	XX	8	XX	XX	XX	XX
7	Operating System Licenses for Kubernetes Servers each with 64 Cores	XX	XX	8	XX	XX	XX	XX
8	GPU Server NVIDIA, Kubernetes and other Software Licenses Servers each with 64 Cores and 2 numbers of H200 GPU Card	XX	XX	4	XX	XX	XX	XX
9	Operating System Licenses for GPU Servers each with 64 Cores	XX	XX	4	XX	XX	XX	XX
10	FIDO2 PASSWORDLESS AUTHENTICATION Software with Physical Token	XX	XX	200	XX	XX	XX	XX
	Total -					XX	XX	XX

Software Installation, Implementation and Migration Cost

S.No	Make /Model	Quantity	Unit Price	Total Amount (INR)	GST Amount (INR)	Grand Total (Total Amount + GST Amount) (INR)
Note	Bidder should quote for each item. Bank while issuing repeat order for any of the component will consider this price installation. If the component cost is Rs. 0, repeat order will be issued for installation at Rs. 0					

1	Internal Private Cloud Hypervisor and other Software licenses as per Technical Specification and Scope of Work. Licenses should be Perpetual/ Subscription Based	4608	xx	xx	xx	xx
2	Internal Private Cloud Windows Server Datacentre Operating System Software Licenses	768	xx	xx	xx	xx
3	Red Hat VDC LICENSES Standard	16	xx	xx	xx	xx
4	Internal Private Cloud Management Server 48 Cores Software Licenses	8	xx	xx	xx	xx
5	Operating System Licenses for Internal Private Server 48 Cloud Management Servers	8	xx	xx	xx	xx
6	Kubernetes Licenses Servers each with 64 Cores	8	xx	xx	xx	xx
7	Operating System Licenses for Kubernetes Servers each with 64 Cores	8	xx	xx	xx	xx
8	GPU Server NVIDIA, Kubernetes and other Software Licenses Servers each with 64 Cores and 2x H200 GPU Card	4	xx	xx	xx	xx
9	Operating System Licenses for GPU Servers each with 64 Cores	4	xx	xx	xx	xx
10	FIDO2 PASSWORDLESS AUTHENTICATION Software with Physical Token	200	xx	xx	xx	xx
11	Migration Cost for Virtualised Server	250	xx	xx	xx	xx
	Total			xx	xx	xx

Software ATS

		YEAR 2			YEAR 3			YEAR 4			YEAR 5					
S. N o	Make /Model	Quant ity	Unit Price	Total Amo unt (INR)	Quan tity	Unit Price	Total Amou nt (INR)	Quan tity	Unit Price	Total Amou nt (INR)	Quant ity	Unit Price	Total Amou nt (INR)	TOTA L (INR)	GST Amoun t (INR)	Grand Total (Total Amount + GST Amount) (INR)
	ATS (DC and DRC)															
1	Internal Private Cloud Hypervisor and other Software licenses as per Technical Specification and Scope of Work. Licenses should be Perpetual/ Subscription Based	4608	XX	XX	4608	XX	XX	4608	XX	XX	4608	XX	XX	XX	XX	XX
2	Red Hat VDC LICENSES Standard	16	XX	XX	16	XX	XX	16	XX	XX	16	XX	XX	XX	XX	XX
3	Internal Private Cloud Management Server 48 Cores Software Licenses	8	XX	XX	8	XX	XX	8	XX	XX	8	XX				
4	Operating System Licenses for Internal Private Server 48 Cloud Management Servers	8	XX	XX	8	XX	XX	8	XX	XX	8	XX	XX	XX	XX	XX
5	Kubernetes Licenses Servers each with 64 Cores	8	XX	XX	8	XX	XX	8	XX	XX	8	XX	XX	XX	XX	XX
6	Operating System Licenses for Kubernetes Servers each with 64 Cores	8	XX	XX	8	XX	XX	8	XX	XX	8	XX	XX	XX	XX	XX
7	GPU Server NVIDIA, Kubernetes and other Software Licenses Servers each with 64 Cores and 2 H200 GPU Card	4	XX	XX	4	XX	XX	4	XX	XX	4	XX	XX	XX	XX	XX

8	Operating System Licenses for GPU Servers each with 64 Cores	4	XX	XX	4	XX	XX	4	XX	XX	4	XX	XX	XX	XX	XX
9	FIDO2 AUTHENTICATION Software with Physical Token	200	XX	XX	200	XX	XX	200	XX	XX	200	XX	XX	XX	XX	XX
	Total -	YEA R 2		XX	YEA R 3		XX	YEA R 4		XX	YEAR 5		XX	XX	XX	XX
	Grand Total = Total (Year 2 + Year 3+ year 4 +Year 5)															

Hardware Cost								
S.No	ITEM	Description	Make /Model/ other Description	Quantity	Unit	Total Amount (INR)	GST Amount (INR)	Grand Total (Total Amount + GST Amount) (INR)
		Data Centre (DC)						
Note	Bank reserves the right to issue a repeat order for any of the component or services at the same price subject to a maximum of 25% of ordered cost/quantity during the Contract period.							
Note	Bidder should quote for each item. Bank may issue repeat order on any of the component. If the component cost is Rs. 0, repeat order will be issued at Rs. 0							
Note	In the xx put value of quantity, price and other details							
	DATA CENTRE							
1	Internal Private Cloud Hardware Server	Server with components other than RAM & NVMe Disk	xx	24	xx	xx	xx	xx
2		RAM IN TB	Mention Size of each RAM Module	XX	xx	xx	xx	xx
3		NVMe Disk IN TB	Mention Size of each NVMe Drive	XX	xx	xx	xx	xx
4	Internal Private Cloud Management Hardware Server		xx	4	xx	xx	xx	xx
4	Kubernetes Hardware Server	Server with components other than RAM & NVMe Disk	xx	4	xx	xx	xx	xx

5		RAM IN TB	Mention Size of each RAM Module	xx	xx	xx	xx	xx
6		NVMe Disk IN TB	xx	xx	xx	xx	xx	xx
7	GPU Hardware Server	Server with components other than RAM & NVMe Disk	xx	4	xx	xx	xx	xx
8		RAM IN TB	Mention Size of each RAM Module	xx	xx	xx	xx	xx
9		NVMe Disk IN TB	Mention Size of each NVMe Drive	xx	xx	xx	xx	xx
10		NVIDIA GPU Card	xx	8	xx	xx	xx	xx
11	RACK with Compatible PDUs	600 X 1200 mm	xx	xx	xx	xx	xx	xx
12	Cabling	Lumpsum as per requirement	xx	xx	xx	xx	xx	xx
13	TOR SWITCH		xx	14	xx	xx	xx	xx
14	MANAGEMENT SWITCH		xx	2	xx	xx	xx	xx
		Total - A				XX	XX	XX
	Disaster Recovery Centre (DRC)							
1	Internal Private Cloud Hardware Server	Server with components other than RAM & NVMe Disk	xx	24	xx	xx	xx	xx
2		RAM	Mention Size of each RAM Module	xx	xx	xx	xx	xx
3		NVMe Disk	Mention Size of each NVMe Drive	xx	xx	xx	xx	xx

4	Internal Private Cloud Management Hardware Server		xx	4	xx	xx	xx	xx
4	Kubernetes Hardware Server	Server with components other than RAM & NVMe Disk	xx	4	xx	xx	xx	xx
5		RAM	Mention Size of each RAM Module	xx	xx	xx	xx	xx
6		NVMe Disk	Mention Size of each NVMe Drive	xx	xx	xx	xx	xx
7	RACK with Compatible PDUs	600 X 1200 mm	xx	xx	xx	xx	xx	xx
8	Cabling	Lumpsum as per requirement	xx	xx	xx	xx	xx	xx
9	TOR SWITCH		xx	12	xx	xx	xx	xx
10	MANAGEMENT SWITCH		xx	2	xx	xx	xx	xx
		Total - B				XX	XX	XX
				Grand Total (A+B)	XX	XX	XX	

<u>Hardware Installation</u>							
S.No	DESCRIPTION		QUANTITY	Unit Price (INR)	Total Amount (INR)	GST Amount (INR)	Grand Total (Total Amount + GST Amount) (INR)
Note	Bidder should quote for each item. Bank while issuing repeat order for any of the component will consider installation price. If the component cost is Rs. 0, repeat order will be issued for installation at Rs. 0						
	Data Centre (DC)						
1	Internal Private Cloud Hardware Server	Server with components other than RAM & NVMe Disk	24	XX	XX	XX	XX
2		RAM IN TB	XX	XX	XX	XX	XX
3		NVMe Disk IN TB	XX	XX	XX	XX	XX
4	Internal Private Cloud Management Hardware Server		4	xx	xx	xx	xx
5	Kubernetes Hardware Server	Server with components other than RAM & NVMe Disk	4	XX	XX	XX	XX
6		RAM IN TB	xx	XX	XX	XX	XX
7		NVMe Disk IN TB	xx	XX	XX	XX	XX
8	GPU Hardware Server	Server with components other than RAM & NVMe Disk	4	XX	XX	XX	XX
9		RAM IN TB	xx	xx	xx	xx	xx
10		NVMe Disk IN TB	xx	xx	xx	xx	xx
11		NVIDIA GPU Card	8	XX	XX	XX	XX
12	RACK with Compatible PDUs	600 X 1200 mm	xx	xx	xx	xx	xx

13	Cabling	Lumpsum as per requirement	xx	xx	xx	xx	xx
14	TOR SWITCH		14	xx	xx	xx	xx
15	MANAGEMENT SWITCH		2	xx	xx	xx	xx
			Total - A		XX	XX	XX
	Disaster Recovery Centre (DRC)						
1	Internal Private Cloud Hardware Server	Server with components other than RAM & NVMe Disk	24	xx	xx	xx	xx
2		RAM	xx	xx	xx	xx	xx
3		NVMe Disk	xx	xx	xx	xx	xx
4	Internal Private Cloud Management Hardware Server		4	xx	xx	xx	xx
5	Kubernetes Hardware Server	Server with components other than RAM & NVMe Disk	4	xx	xx	xx	xx
6		RAM	xx	xx	xx	xx	xx
7		NVMe Disk	xx	xx	xx	xx	xx
8	RACK with Compatible PDUs	600 X 1200 mm	xx	xx	xx	xx	xx
9	Cabling	Lumpsum as per requirement	xx	xx	xx	xx	xx
10	TOR SWITCH		12	xx	xx	xx	xx
11	MANAGEMENT SWITCH		2	xx	xx	xx	xx
			Total - B		XX	XX	XX
			GRAND TOTAL (A+B)		XX	XX	XX

Hardware AMC Cost											
S.No	DESCRIPTION	Components	YEAR 4 AMC			YEAR 5 AMC			Total Amount for (YEAR 4 +YEAR 5) (INR)	GST Amount (INR)	Grand Total (Total Amount + GST Amount) (INR)
			Quantity	Unit Price (INR)	Total Amount (INR)	Quantity	Unit Price (INR)	Total Amount (INR)			
	Data Centre (DC)										
1	Internal Private Cloud Hardware Server	Server with components other than RAM & NVMe Disk	24	xx	xx	24	xx	xx	xx	xx	xx
2		RAM IN TB	XX	xx	xx	XX	xx	xx	xx	xx	xx
3		NVMe Disk IN TB	XX	xx	xx	XX	xx	xx	xx	xx	xx
4	Internal Private Cloud Management Hardware Server		4			4					
5	Kubernetes Hardware Server	Server with components other than RAM & NVMe Disk	4	xx	xx	4	xx	xx	xx	xx	xx
6		RAM IN TB	xx	xx	xx	xx	xx	xx	xx	xx	xx
7		NVMe Disk IN TB	xx	xx	xx	xx	xx	xx	xx	xx	xx
8	GPU Hardware Server	Server with components other than RAM & NVMe Disk	4	xx	xx	4	xx	xx	xx	xx	xx
9		RAM IN TB	xx	xx	xx	xx	xx	xx	xx	xx	xx
10		NVMe Disk IN TB	xx	xx	xx	xx	xx	xx	xx	xx	xx
11		NVIDIA GPU Card	8	xx	xx	8	xx	xx	xx	xx	xx
12	RACK with Compatible PDUs	600 X 1200 mm	xx	xx	xx	xx	xx	xx	xx	xx	xx
13	Cabling	Lump sum as per requirement	xx	xx	xx	xx	xx	xx	xx	xx	xx
14	TOR SWITCH		14			14					

15	MANAGEMENT SWITCH		2	xx	xx	2	xx	xx	xx	xx	xx
		TOTAL A									
	Disaster Recovery Centre (DRC)										
1	Internal Private Cloud Hardware Server	Server with components other than RAM & NVMe Disk	24	xx	xx	24	xx	xx	xx	xx	xx
2		RAM	xx	xx	xx	xx	xx	xx	xx	xx	xx
3		NVMe Disk	xx	xx	xx	xx	xx	xx	xx	xx	xx
4	Internal Private Cloud Management Hardware Server		4			4					
5	Kubernetes Hardware Server	Server with components other than RAM & NVMe Disk	4	xx	xx	4	xx	xx	xx	xx	xx
6		RAM	xx	xx	xx	xx	xx	xx	xx	xx	xx
7		NVMe Disk	xx	xx	xx	xx	xx	xx	xx	xx	xx
8	RACK with Compatible PDUs	600 X 1200 mm	xx	xx	xx	xx	xx	xx	xx	xx	xx
9	Cabling	Lump sum as per requirement	xx	xx	xx	xx	xx	xx	xx	xx	xx
10	TOR SWITCH		12			12					
11	MANAGEMENT SWITCH		2	xx	xx	2	xx	xx	xx	xx	xx
	Total - B				XX			XX	XX	XX	XX
							GRAND TOTAL (A+B)	XX	XX	XX	XX

FMS RESOURCES															
Sl.No		No. of Resources for 5 years	UNIT PRICE	Total Year - 1 (INR)	UNIT PRICE	Total Year -2 (INR)	UNIT PRICE	Total Year -3 (INR)	UNIT PRICE	Total Year -4 (INR)	UNIT PRICE	Total Year -5 (INR)	Total Cost for 5 years (INR)	GST Amount (INR)	Grand Total (Total Amount + GST Amount) (INR)
1	L2 (DC) OEM Certified Engineer	5		XX		XX		XX		XX		XX	XX	XX	XX
2	L1 (DRC)	1		XX		XX		XX		XX		XX	XX	XX	XX
	TOTAL COST			XX		XX		XX		XX		XX	XX	XX	XX
	Note : FMS will start from the Date of intimation by Bank for Resource.														

*****End of Document*****

CORRIGENDUM (ANNEXURE- I)

AND

BANK RESPONSE TO PRE-BID QUERIES
(ANNEXURE-II)

- **Last Date and Time for submission of Bids- 12.03.2026 upto 15:00 hrs**
- **Date & Time of Opening of Technical bids- 12.03.2026 at 15:30 hrs**

Bank Responses to Pre-Bid Queries- Reference to Bid Number - GEM/2026/B/7118455 dated 16.01.2026 – For Expansion of Private Cloud, establishment of Containerization Platform & GPU Servers on x86 Server Architecture for future Projects. (Annexure –I)

S. N.	RFP Pg. No.	RFP Clause Name & No.	Existing RFP Clause	Bidder's Query/Suggestion/Remarks	Bank Response
1.	10	Invitation for Tender Offers	Last Date and Time submission of Bids -24.02.2026 up to 15:00 hrs	Corrigendum	Last Date and Time submission of Bids- 12.03.2026 up to 15:00 hrs
2.	10	Invitation for Tender Offers	Time & Date of Opening of Technical bids -24.02.2026 at 15:30 hrs	Corrigendum	Date & Time of Opening of Technical bids -12.03.2026 at 15:30 hrs
3.	7	Eligibility Criteria	Credential letter from the Scheduled Commercial Bank / BFSI /NBFC /PSU mentioning that the Components are successfully Supplied and implemented in their organization.	If bidder submits work orders signed by customer instead of credential letter will that be fine? Is there a format for a credential letter that we need to follow.	No, Credential letter or mail (directly to Bank Mail ID) as per the format from the Scheduled Commercial Bank / BFSI / NBFC / PSU (For Bidder) or Scheduled Commercial Bank / BFSI / NBFC (For OEM) mentioning that the Components are successfully Supplied and implemented in their organization. Annexure 26 "Format for

					Credential Letter" for Bidder. Annexure 27 "Format for Credential Letter" for OEM attached.
4.		General		Please confirm if consortium or Joint Venture is permitted in the RFP.	Not Permitted.
5.	45	8 Project Timelines	<p>1. Supply and delivery of hardware components at DC, DRC 12 Weeks Within 12 weeks of date of acceptance of the Purchase Order (PO) by the Vendor</p> <p>2. Installation of hardware at DC and DRC 06 Weeks Installation and implementation of hardware and software, software licenses at DC and DRC solution & for installation and configuration of Kubernetes Software- Within 6 weeks of date of delivery acceptance</p>	<p>We request Bank to modify the clause to : 1. Supply and delivery of hardware components at DC, DRC 20 Weeks Within 20 weeks of date of acceptance of the Purchase Order (PO) by the Vendor Installation and implementation of hardware and software, software licenses at DC and DRC solution & for installation and configuration of Kubernetes Software- Within 10 weeks of date of delivery acceptance</p>	Point is modified to "Hardware Delivery and Installation (combining both) and Application Software Installation and Commissioning has to be completed within 26 Weeks from the date of PO." As per "Revised Project Timelines"
6.	19	Scope of Work > 7.1 Scope Summary > Point 6	Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 60 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that price will be adjusted by the Bank as per change in exchange rate	We request Bank to delete this clause, as there are multiple factors considering the market dynamics of the price change like availability of the material, disk, chip etc. The dynamic factors for the price fluctuation. Hence we request Bank to keep the same as per mutual discussion for the repeat order.	Point is modified as "Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 12 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that price will be adjusted by the

					Bank as per change in exchange rate."
7.	Commercial Format		Commercial Format	Management Servers are not mentioned in the commercial format whereas it is mentioned in the technical compliance sheet, requesting CBI to clarify the same	The Bidder has to quote for the Hardware and Software components for the Management Servers which is already present in the Hardware and Software Cost of Bill of Material. Any other component (Hardware, Software, Licenses) needed for successful commissioning of the Project has to be quoted in the Bill of Material. Additional rows may be added in the Bill of Material for the same. Bank will not pay for any additional amount other than present in the Bill of Material.
8.	32	7.2.3 Point number 50:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure Configure required VM replication as per Required RPO with Failover and Failback.	Please specify what is the RPO expected here for VM replication?	RPO - ASYNC Replication RTO - 30 Minutes to 2 Hours
9.	32	7.2.3 Point number 53:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure Configuring VM Replication with HCI best Practice.	VM replication with HCI best practice is a proprietary requirement, request bank to remove this. Is the Bank open to 3rd Party VM replication	Bidder may propose 3rd Party Replication Software with Enterprise support from OEM.
10.	175	GPU Nodes	The Solution should provide pre-flight testing.	Can we have description of pre-flight testing, what all need to be covered and expectations	Pre-Flight testing: Quick validation of Hardware health check-up like Link status, Nvlink Latency tests, check for cold starts or inconsistent latencies. The above mentioned quick

					validation has to be carried out before deploying workloads.
11.	32	7.2.3.1 Point 49 Page 32	The replication and DR orchestration licenses provided must be unlimited VM based	can we specify the VM count instead of unlimited	The point is revised as "The replication and DR orchestration licenses should be provided for 200 VM Servers"
12.	165	Tech Spec-GPU Nodes	Each Node should support Minimum 16 NVMe Drives with Tri Mode RAID Controller Minimum 45TB Raw Capacity per node (RAID 5)	why Tri-mode controllers is specified to be used for GPU Nodes?	The point is revised as "Each Node should support Minimum 16 NVMe Drives with RAID Controller Minimum 45TB Raw Capacity per node (RAID 5) and should have HBA card for Storage Connectivity. The system should work with Hardware Raid on the Server Disk and HBA card should connect Storage."
13.	155	Kubernetes Nodes	The proposed Kubernetes platform should have built-in rich data services to protect stateful applications by offering storage replication to ensure data is safe across the environment in the event of a disaster	please confirm if the understanding is correct that; this is for protection of PVC volume from data protection point of view irrespective of storage replication	Understanding is correct
14.	Pg 157	AI Software	Should support RAG, Data & Vector Capabilities, RAG-compatible modular architecture, Vector embedding generation, Data indexing & retrieval service, Unstructured document parsing	AI workload would need vector db. Should platform have built in license & support for vector DB.	The Bank does not prescribe any specific vector database or graph database. Bidders are required to propose a solution that supports Retrieval Augmented Generation (RAG) and vector search capabilities in line with the proposed AI platform architecture. However, the Bidder must ensure and demonstrate that the proposed vector / graph database solution is

					fully compatible and interoperable with the proposed AI / LLM platform and supports RAG use cases in a production environment.
15.	156	AI SOFTWARE	The proposed AI platform should support on-premises deployment, The proposed AI solution should support x86 architecture.	The AI Platform IP rights will be owned by the bidder and wont be transferred to any 3rd party - Is CBOI fine with that	<ul style="list-style-type: none"> • The Bank shall be granted license to use the AI platform for its internal business operations for the duration of the contract and thereafter, as applicable. • The license shall include rights to configure, customize, integrate, and use the platform with the Bank's existing and future systems. • The Bank shall retain full ownership of all data, including prompts, embedding, vector indexes, configurations, outputs, logs, and any Bank-specific Artifacts generated during usage. • No Bank data, metadata, or derived Artifacts shall be shared, transferred, or reused for training or any purpose outside the Bank without explicit written consent. • The Bidder shall ensure continuity of usage and access to the platform for the Bank for the agreed contract term, including support and upgrades, without dependency on transfer of IP to any third party.

16.	13	General	11. Each proposed OEM product	Please specify Rack Specification followed by Bank	<ul style="list-style-type: none"> • 42U Rack Frame/600X1200/Steel/NRS1/CKD/Casters Type 2 Levellers • 19" Adopter kit /42U/Loops • Perforated Door/42/600/Flat/NRS1 • Perforated Door/42/600/Dual/NRS1 • Swing handle / Mechanical Lock / Single Point / Common Key/Polymade • Swing handle / Mechanical Lock / Single Point / Common Key/Polymade • Side Panels/1200/42U/Vented/NRS1 • ITE / Server Rack Air Circulation module/Tower Mount/360CFM • Server /IT Rack mount 4 power distribution unit, 1Phase, 230V, 32A, 50/60Hz, Zero U standard with 12 X Indian Round Pin 5/15A, (Inlet Plug Not Installed, Recommended IEC30932A 2P +E), 16A MCB X 2 Circuits- PDU Rating 7.3KVA/Bottom feed-3Mt/ Black • Mounting Hardware-CR (Pack of 20) Shelf/1000
17.				Requesting bank to accept the Hypervisor, SDS & Management tool for private cloud from single OEM	The Software Solution for the Private Cloud on HCI Nodes should be from Same OEM

18.		Commercial BoQ		Addition of point In the Bill of Quantity	HCI Management software License if required in the Solution should be quoted in the Bill of Material. Additional rows may be added in the Bill of Material for the same.
19.	48	10 Liquidated Damage	The Liquidated Damages (LD) shall be 1% of amount for Goods or Services including Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc. which have been delayed for each week or part thereof for delay until actual delivery or performance.	We request Bank to modify the clause to 10 Liquidated Damage The Liquidated Damages (LD) shall be 0.5% of amount for Goods or Services including Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc. which have been delayed for each week or part thereof for delay until actual delivery or performance.	The Clause is changed to "The Liquidated Damages (LD) shall be 1% of amount for Goods or Services for Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc. which have been delayed for each week or part thereof for delay until actual delivery or performance."
20.	161	Kubernetes Nodes - Point 5 and GPU Nodes	Kubernetes Nodes - Point 5 Capacity Drives Each Node should support Minimum 24 x NVMe Drives with Minimum 45TB Raw Capacity per node	Kindly clarify if any internal RAID controller is required for the internal NVMe drives	Yes, internal Hardware RAID controller is Required for Kubernetes / GPU Nodes. Any Node in the in scope Hardware working as Bare metal Server and not an HCI node should be loaded with Hardware Raid controller.
21.	145	Annexure 25 Point 25	Virtualization software or the solution should provide Cluster level encryption protects unauthorized data access at-rest.	Recommended Industry practice is to encrypt the data at rest, will the bank consider only encrypting the data at rest instead of entire cluster.	The Point is revised as "The virtualization software / solution should provide encryption of data to protect unauthorized data access at rest of the System."

22.	30	7.2.3 Point number 22:	<p>7.2.3 Applications at DC and DRC</p> <p>7.2.3.1 Internal Private Cloud Infrastructure</p> <p>The solution to be capable of providing a single pane management for in scope Hardware & Software components with the capability for Operational Management (with Admin & User views), easy provisioning capabilities, Automatic / One click orchestration features, feature for creating templates or blueprints for various VM / containers, easy grouping of the provisioned resources and application of policies etc.</p>	<p>What is expected for single pane (unified) management of hardware components?</p> <p>Will the single pane management providing view of VM resources (CPU, memory, storage) be accepted or does the bank expect more granular view of underlying hardware?</p>	<p>The Solution should allow the user to manage, configure, monitor, automation of the resources/instances/VMs provisioning, (CPU, Network, Memory, Storage) of the nodes servers also it includes control of resources and utilization reports with mail triggering on alerts/incidents should be available as native features.</p>
23.					<p>Bidder should submit the MAF, Mandatorily as per the format in their Bid. All other Technical Annexures and respective statutory/ Annexures/ technical Compliance etc. documents has to be submitted while submitting the bid or it will be liable for rejection.</p>

Annexure 26 “Format for Credential Letter”

(For Bidder)

Date :

To,

General Manager (IT),
Central Bank of India,
DIT, Sector 11,
CBD Belapur,
Navi Mumbai – 400614

Sir,

Sub: Tender No. **GEM/2026/B/7118455**

(In case the below mentioned line items are supplied in different organisations separately in different Purchase Orders, more than one Credential Letter have to be submitted)

It is certified that the *(Choose appropriate Line Item/s)* _____ have Supplied & implemented the following Components *(Line Items)*-

7. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,
8. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order
9. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order,

in our Scheduled Commercial Bank / BFSI /NBFC / PSU *(Select One)* in India on Date _____.

This letter should not be treated as recommendation and M/s *(Company Name)* _____ does not own any responsibility on the decisions taken based on this Credential letter.

Yours faithfully,

Signature with Company Stamp

Designation:

Company Name:

Contact Number:

Annexure 27 “Format for Credential Letter”

(For OEM)

Date

To,

General Manager (IT),
Central Bank of India,
DIT, Sector 11,
CBD Belapur,
Navi Mumbai – 400614

Sir,

Sub: Tender No. **GEM/2026/B/7118455**

(In case the below mentioned line items are supplied in different organisations separately in different Purchase Orders, more than one Credential Letter have to be submitted)

It is certified that the (*OEM Company Name*) _____ device had been supplied & implemented (*Choose appropriate Line Item/s*)-

7. Internal Private Cloud Infrastructure using minimum 75 number of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,
8. Minimum 8 numbers of GPU Servers –in One Purchase Order
9. Kubernetes Software with minimum 300 cores / 12 Processor Socket License in One Purchase Order,

in our Scheduled Commercial Bank /BFSI /NBFC (*Select One*) in India on Date _____.

This letter should not be treated as recommendation and M/s (*Company Name*) _____ does not own any responsibility on the decisions taken based on this Credential letter.

Yours faithfully,

Signature with Company Stamp

Designation:

Company Name:

Contact Number:

Revised Project Timelines

The successful Bidder is expected to adhere to the following timelines concerning the implementation of the solutions/services in Bank:

#	Activity	Weeks	Time Period for Completion
1	Supply, delivery, Installation and Commissioning acceptance of Hardware and Software components of Private Cloud, Kubernetes and GPU at DC and DRC	26 Weeks	Within 26 weeks of date of acceptance of the Purchase Order (PO) by the Vendor.
2	Supply and delivery of software licenses at DC, DRC	6 Weeks	Within 6 weeks from Date of intimation by the Bank for supply.
3	Migration services	12 Weeks	Server migration – Within 12 weeks of Private Cloud Commissioning acceptance by Bank

Bank Responses to Pre-Bid Queries- Reference to Bid Number - GEM/2026/B/7118455 dated 16.01.2026 – For Expansion of Private Cloud, establishment of Containerization Platform & GPU Servers on x86 Server Architecture for future Projects. (Annexure-II)

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
1	1	Annexure 21: Eligibility Criteria Compliance Sl. No. 3	The bidder must have an annual average turnover in India of INR 300 crores in the last three financial years (i.e. 2022-23, 2023-24, 2024-25) as per the audited balance sheet available at the time of submission of tender, of individual company and not as group of companies	We are keen to participate in this tender and are fully eligible to participate in the bid except the turnover. We request you to change the annual average turnover clause to INR 100 Crores instead of INR 300 Crores in the last three financial years, so that maximum number of bidders can participate in RFP	No change. Please be guided by the RFP Clause.
2	2	2 Eligibility Criteria-10	Bidder should have experience of having Supplied & implemented the following components - 1.Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order.	Kindly change the clause as "Bidder should have experience of having Supplied / implemented the following components - 1.Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order.	No change. Please be guided by the RFP Clause.

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
3	3	2 Eligibility Criteria-10	Bidder should have experience of having Supplied & implemented the following components - 2.GPU Servers with minimum 32 Cores of CPU –in One Purchase Order	Kindly change the clause as "Bidder should have experience of having Supplied / implemented the following components - 2.GPU Servers with minimum 32 Cores of CPU –in One Purchase Order	No change. Please be guided by the RFP Clause.
4	4	2 Eligibility Criteria-10	Bidder should have experience of having Supplied & implemented the following components - 3.Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order,	Kindly change the clause as "Bidder should have experience of having Supplied / implemented the following components - 3.Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order,	No change. Please be guided by the RFP Clause.
5	5	2 Eligibility Criteria-10	Credential letter from the Scheduled Commercial Bank / BFSI / NBFC / PSU mentioning that the Components are successfully Supplied and implemented in their organization	Kindly change the clause as " Credential letter from the Scheduled Commercial Bank / BFSI / NBFC / PSU mentioning that the Components are successfully Supplied and implemented in their organization from India / Global	No change. Please be guided by the RFP Clause.

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
6	6	Eligibility Criteria	<p>Bidder should have experience of having Supplied & implemented the following Components -</p> <p>1. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,</p> <p>2. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order</p> <p>3. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order, in Scheduled Commercial Bank / BFSI /NBFC / PSU in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.</p>	If bidder has delivered Kubernetes service with 200 cores or more across worker nodes and provide work order for the same will that be sufficient?	No, Credential letter or mail (directly to Bank Mail ID) as per the format from the Scheduled Commercial Bank / BFSI / NBFC / PSU (For Bidder) or Scheduled Commercial Bank / BFSI / NBFC (For OEM) mentioning that the Components are successfully Supplied and implemented in their organization. Annexure 26 "Format for Credential Letter" for Bidder. Annexure 27 "Format for Credential Letter" for OEM.

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
7	7	Eligibility Criteria	Credential letter from the Scheduled Commercial Bank / BFSI /NBFC /PSU mentioning that the Components are successfully Supplied and implemented in their organization.	If bidder submits work orders signed by customer instead of credential letter will that be fine? Is there a format for a credential letter that we need to follow.	No, Credential letter or mail (directly to Bank Mail ID) as per the format from the Scheduled Commercial Bank / BFSI / NBFC / PSU (For Bidder) or Scheduled Commercial Bank / BFSI / NBFC (For OEM) mentioning that the Components are successfully Supplied and implemented in their organization. Annexure 26 "Format for Credential Letter" for Bidder. Annexure 27 "Format for Credential Letter" for OEM.

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
8	8	12	<p>2 Eligibility Criteria Eligibility of the Bidder and OEM 10.</p> <p>Bidder should have experience of having Supplied & implemented the following Components -</p> <p>1. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,</p> <p>2. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order</p> <p>3. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order, in Scheduled Commercial Bank / BFSI /NBFC / PSU in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.</p>	<p>For higher participation, we request Bank to modify this to</p> <p>2 Eligibility Criteria Eligibility of the Bidder and OEM 10.</p> <p>Bidder should have experience of having Supplied & implemented the following Components -</p> <p>1. Internal Private Cloud Infrastructure using minimum 50 35 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,</p> <p>2. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order</p> <p>3. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order, in Scheduled Commercial Bank / BFSI /NBFC / PSU / Government in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.</p>	No change. Please be guided by the RFP Clause.

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
9	9	12	<p>2 Eligibility Criteria Eligibility of the Bidder and OEM 10.</p> <p>Bidder should have experience of having Supplied & implemented the following Components -</p> <p>1. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,</p> <p>2. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order</p> <p>3. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order, in Scheduled Commercial Bank / BFSI /NBFC in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.</p>	<p>For higher participation, we request Bank to modify this to</p> <p>2 Eligibility Criteria Eligibility of the Bidder and OEM 10.</p> <p>Bidder should have experience of having Supplied & implemented the following Components -</p> <p>1. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one one or two Purchase Orders,</p> <p>2. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order</p> <p>3. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order, in Scheduled Commercial Bank / BFSI /NBFC / PSU / Government in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.</p>	No change. Please be guided by the RFP Clause.

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
10	10	2 Eligibility Criteria, Point 10	<p>Bidder should have experience of having Supplied & implemented the following Components -</p> <p>1. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,</p> <p>2. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order</p> <p>3. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order,</p> <p>in Scheduled Commercial Bank / BFSI /NBFC / PSU in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.</p>	<p>We request bank to please modify as below:</p> <p>Bidder should have experience of having Supplied & implemented the following Components -</p> <p>1. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,</p> <p>2. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order</p> <p>3. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order,</p> <p>in Scheduled Commercial Bank / BFSI /NBFC / PSU/Govt in India in last 7 years (2019-20, 2020-21, 2021-</p>	No change. Please be guided by the RFP Clause.

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				22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.	
11	11	2 Eligibility Criteria, Point 10, Documents to be submitted	Credential letter from the Scheduled Commercial Bank / BFSI / NBFC / PSU mentioning that the Components are successfully Supplied and implemented in their organization.	We request bank to please modify as below: Credential letter from the Scheduled Commercial Bank / BFSI / NBFC / PSU /Govt mentioning that the	No change. Please be guided by the RFP Clause.

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				Components are successfully Supplied and implemented in their organization. Or, Commencement certificate /e-mail confirmation from client for project under implementation stage.	

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12	12	2. <u>Eligibility Criteria</u> Point no. 10 & 11	<p>10. Bidder should have experience of having Supplied & implemented the following Components -1.Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,</p> <p>2.GPU Servers with minimum 32 Cores of CPU –in One Purchase Order</p> <p>3.Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order, in Scheduled Commercial Bank / BFSI /NBFC / PSU in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.</p> <p>11. Each proposed OEM product</p> <p>1.Internal Private Cloud Infrastructure using minimum 75 number of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,</p> <p>2.Minimum 8 numbers of GPU Servers –in One Purchase Order</p> <p>3.Kubernetes Software with minimum 300 cores / 12 Processor Socket License in One Purchase Order, should have been successfully implemented in at least one Scheduled Commercial Bank/BFSI /NBFC in India in last 5 years (2021-22, 2022-23, 2023-24, 2024-25, 2025-26).</p>	<p>Please help to clarify. Will the bidder need to fulfil both the criteria's?</p> <p>Please help to understand if the bidder can only share PO for the proposed solution or any other OEM PO will also work?</p>	<p>Bidder need to full fill Point 10 of the Eligibility Criteria's entirely.</p> <p>Bidders OEMs need to Full fill Point 11 of the Eligibility Criteria's entirely.</p> <p>Bidder need to share the Credential Letter for Successfully Supplied and Implemented the Solution.</p>

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13	13	Eligibility Criteria-10	Bidder should have experience of having Supplied & implemented the following Components - 1. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order, 2. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order 3. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order, in Scheduled Commercial Bank / BFSI /NBFC in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.	As Kubernetes implementation has started by the various customer very recently and the customers are asking the implementation from OEMs only including the CBI and it will take time for SI to have implementation experience. Considering the above we request bank to drop this implementation experience from eligibility	No change. Please be guided by the RFP Clause.
14	14	Eligibility Criteria – Clause 2 (Annual Turnover)	The bidder must have an annual average turnover in India of INR 300 crores in the last three financial years (i.e. 2022-23, 2023-24, 2024-25) as per the audited balance sheet available at the time of submission of tender, of individual company and not as group of companies	Request to amend the following clause for wider participation. The bidder must have an annual average turnover in India of INR 200 crores in the last three financial years (i.e. 2022-23, 2023-24, 2024-25) as per the audited balance sheet available at the time of submission of tender, of individual company and not as group of companies	No change. Please be guided by the RFP Clause.

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15	15	Eligibility Criteria – Clause 10	<p>Bidder should have experience of having Supplied & implemented the following Components</p> <ul style="list-style-type: none"> - 4. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order, 5. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order 6. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order, <p>in Scheduled Commercial Bank / BFSI /NBFC / PSU in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects</p>	<p>Request to amend the following clause for wider participation.</p> <p>Bidder/OEM should have experience of having Supplied & implemented the following Components</p> <ul style="list-style-type: none"> - 4. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order, 5. GPU Servers with minimum 32 Cores of CPU –in One Purchase Order 6. Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order, <p>in Scheduled Commercial Bank / BFSI /NBFC / PSU in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects</p>	No change. Please be guided by the RFP Clause.

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16	16			With reference to the tender titled "RFP for Expansion of Private Cloud, establishment of Containerization Platform & GPU Servers on x86 Server Architecture for future Projects", we request your kind consideration to relax/remove the eligibility criterion requiring bidders to have operating profits in at least two of the last three financial years (FY 2022-23 to 2024-25).	No change. Please be guided by the RFP Clause.
17	65	24/Indemnity	24/Indemnity	We propose the following to be replaced with the original clause: Each Party shall indemnify the other from and against any claims by third parties (including any Governmental Authority) and expenses (including legal fees and court costs) arising from damage to tangible property, personal injury or death caused by such Party's negligence or wilful misconduct. Customer shall also indemnify, defend and hold Supplier harmless from any and all claims (including	No change. Please be guided by the RFP Clause.

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				claims by any Governmental Authority seeking to impose penal or criminal sanctions) (i) relating to Customer's or its End Users' use of the Services; and/or (ii) claims arising from Customer's breach of acceptable use policy of the Supplier.	
18	69	26/Force Majeure	26/Force Majeure	Bidder request to remove the following: "The decision regarding whether a particular event as informed by the bidder being a force majeure event, should be regarded as a force majeure event, shall be solely the decision of the bank." Further the Bidder clarifies that the customer cannot be excused for payment obligations even during the Force Majeure Events.	No change. Please be guided by the RFP Clause.

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19	72	32/Bidder's Liability	32/Bidder's Liability	Notwithstanding anything to the contrary, the Bidder's overall liability in the contract/ applicable purchase order shall not exceed, the most recent twelve (12) month of charges collected by the Bidder. Further liability of Bidder shall be restricted to direct losses/damages only and will exclude indirect, consequential, special or punitive damages including without limitation loss of profit, loss of revenue, loss of data, negligence, damage to data etc. Bidder's sole liability and Customer's sole remedy for damages relating to services is limited to any applicable credit allowances/penalties due.	No change. Please be guided by the RFP Clause.
20	72	34/Inspection, Review, Auditing and Monitoring	34/Inspection, Review, Auditing and Monitoring	Customer to provide at least 30 days advance prior written notice to the Bidder before visiting the premises of the Bidder. The visit is to be conducted only in official hours and the access will be limited to the scope of services.	No change. Please be guided by the RFP Clause.

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21	76	39/Termination	39/Termination	We request to make this clause mutual. In the event of termination by Customer before the expiry of the contract term, Customer agrees to be pay early termination charges. Further, we propose deletion for Termination for Convenience.	No change. Please be guided by the RFP Clause.
22		General		Please confirm if consortium or Joint Venture is permitted in the RFP.	Not Permitted.
23	9	Bid Security (EMD)	₹1,80,00,000/- (Rupees One Crore Eighty Lakh Only)	We request the bank to consider the EMD of Rs. 50,00,000/-	No Change
24	45	8 Project Timelines	1. Supply and delivery of hardware components at DC, DRC 12 Weeks Within 12 weeks of date of acceptance of the Purchase Order (PO) by the Vendor	We request Bank to modify the clause to : 1. Supply and delivery of hardware components at DC, DRC 20 Weeks Within 20 weeks of date of acceptance of the Purchase Order (PO) by the Vendor	Point is modified to "Hardware Delivery and Hardware & Application Software Installation (combining both) has to be completed within 26 Weeks from the date of PO." As per "Revised Project Timelines"

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25	45	8 Project Timelines	2.Installation of hardware at DC and DRC 06 Weeks Installation and implementation of hardware and software, software licenses at DC and DRC solution & for installation and configuration of Kubernetes Software- Within 6 weeks of date of delivery acceptance	We request Bank to modify the clause to Installation and implementation of hardware and software, software licenses at DC and DRC solution & for installation and configuration of Kubernetes Software- Within 10 weeks of date of delivery acceptance	Point is modified to "Hardware Delivery and Hardware & Application Software Installation (combining both) has to be completed within 26 Weeks from the date of PO." As per "Revised Project Timelines"
26	48	10 Liquidated Damage	The Liquidated Damages (LD) shall be 1% of amount for Goods or Services including Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc. which have been delayed for each week or part thereof for delay until actual delivery or performance.	We request Bank to modify the clause to 10 Liquidated Damage The Liquidated Damages (LD) shall be 0.5% of amount for Goods or Services including Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc. which have been delayed for each week or part thereof for delay until actual delivery or performance.	Point is modified as "The Liquidated Damages (LD) shall be 1% of amount for Goods or Services for Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc. which have been delayed for each week or part thereof for delay until actual delivery or performance."

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27	19	Scope of Work > 7.1 Scope Summary > Point 6	Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 60 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that price will be adjusted by the Bank as per change in exchange rate	We request Bank to delete this clause, as there are multiple factors considering the market dynamics of the price change like availability of the material, disk, chip etc. The dynamic factors for the price fluctuation. Hence we request Bank to keep the same as per mutual discussion for the repeat order.	Point is modified as "Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 12 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that price will be adjusted by the Bank as per change in exchange rate."

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28	Commercial Format		Commercial Format	Management Servers are not mentioned in the commercial format whereas it is mentioned in the technical compliance sheet, requesting CBI to clarify the same	The Bidder has to quote for the Hardware and Software components for the Management Servers which is already present in the Hardware and Software Cost of Bill of Material. Any other component (Hardware, Software, Licenses) needed for successful commissioning of the Project has to be quoted in the Bill of Material. Additional rows may be added in the Bill of Material for the same. Bank will not pay for any additional amount other than present in the Bill of Material.
29	19	7 Scope of Work Point no. 6	Bank reserves the right to issue a repeat order for any of the component or services at the same price subject to a maximum of 25% of ordered Price/Quantity during the Contract period.	Keeping the market situation in mind, no OEM will agree to keep the price valid for a period of 5 years. Request you to please consider till project go live period	Point is modified as "Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 12 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that

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					price will be adjusted by the Bank as per change in exchange rate."
30	186	Commercial BOQ Line item	FMS RESOURCES L2 (DC) OEM Certified Engineer	Please advise if this is going to be an OEM resource or not. Ideally it should an L3 resource who can manage the day 2 operations effectively	L2 (DC, DRC) OEM Certified Engineer will be from Bidder who has Certification of the OEM Product to be managed.
31	55	Payment Terms	Software – ATS/Subscription	Request bank to revise the payment terms for ATS as Annual in Advance	No change. Please be guided by the RFP Clause.
32	9	EMD	Bid Security (EMD)	Request bank to revise the EMD to 1 Cr.	No change. Please be guided by the RFP Clause.
33	45	Delivery Timeline	Project Timelines - Supply and delivery of hardware components at DC, DRC - 12 week	Request bank to change the delivery timeline to 20 weeks due shortage of RAM and Disk.	Point is modified to "Hardware Delivery and Hardware & Application Software Installation (combining both) has to be completed within 26 Weeks from the date of PO." As per "Revised Project Timelines"

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34	72	32 Bidder's Liability	32 Bidder's Liability The Bidders aggregate liability in connection with obligations undertaken as a part of the project regardless of the form or nature of the action giving rise to such liability (whether in contract, tort or otherwise), shall be at actuals and limited to the value of the contract. The Bidders liability in case of claims against the Bank resulting from wilful misconduct or gross negligence of the Bidder, its employees and subcontractors or from infringement of patents, trademarks, copyrights(if any) or breach of confidentiality obligations shall be unlimited. In no event shall the Bank be liable for any indirect, incidental or consequential damages or liability, under or in connection with or arising out of this tender and subsequent agreement or services provided. The bidder should ensure that the due diligence and verification of antecedents of employees/personnel deployed by him for execution of this contract are completed and is available for scrutiny by the Bank. . Subject to any law to contrary, and to the maximum extent permitted by law neither party shall be liable to other for any remote and indirect loss or damages arising out of this tender and subsequent agreement or services provided.	Bidder's Liability The Bidders aggregate liability in connection with obligations undertaken as a part of the project regardless of the form or nature of the action giving rise to such liability (whether in contract, tort or otherwise) ecsa, shall be theat amount paid by the Bank to the Bidder in the twelve (12) month period immediately preceding the date such liability arose under this Contract actuals and limited to the value of the contract. The Bidders liability in case of claims against the Bank resulting from willful misconduct or gross negligence of the Bidder, its employees and subcontractors or from infringement of patents, trademarks, copyrights (if any) or breach of confidentiality obligations shall be unlimited. In no event shall the Bank and the Bidder be liable for any indirect, incidental or consequential damages or liability, under or in connection with or arising	No change. Please be guided by the RFP Clause.

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				<p>out of this tender and subsequent agreement or services provided. The bidder should ensure that the due diligence and verification of antecedents of employees/personnel deployed by him for execution of this contract are completed and is available for scrutiny by the Bank.</p> <p>Subject to any law to contrary, and to the maximum extent permitted by law neither party shall be liable to other for any remote and indirect, special, incidental, consequential (including loss of profit or revenue, loss of data), exemplary or punitive loss or damages arising out of this tender and subsequent agreement or services provided."</p> <p>Liability for Subcontractor Practices: The Service Provider shall be contractually liable for the performance of its subcontractors and must ensure that its subcontractors adhere to the same level of risk</p>	

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				<p>management practices as required by the Bank. This includes ensuring that subcontractors meet the agreed-upon standards of performance, compliance, and quality.</p> <p>The Bidder shall be excused and not be liable or responsible for any delay or failure to perform the Services or failure of the Services or a Deliverable under this tender to the extent that such delay or failure has arisen as a result of any delay or failure by the Bank or its employees or third party service providers to perform any of its duties and obligations as set out in this tender. In the event that the Bidder is delayed or prevented from performing its obligations due to such failure or delay on the part of or on behalf of the Bank, the Bidder shall be allowed an additional period of time to perform its obligations and unless otherwise agreed the additional period shall be</p>	

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				<p>equal to the amount of time for which vendor is delayed or prevented from performing its obligations due to such failure or delay on the part of or on behalf of the Bank. Such failures or delays shall be brought to the notice the Bank and subject to mutual agreement with the Bank, the Bidder shall take such actions as may be necessary to correct or remedy the failures or delays. The Bidder shall be entitled to invoice the Bank for additional costs incurred in connection with correction or remedy as above at t&m rate card agreed herein.</p>	

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35	65	24 Indemnity	<p>1) The Bidder shall indemnify the Bank, and shall always keep indemnified and hold the Bank, its employees, personnel, officers, directors, harmless from and against any and all losses, liabilities, claims, actions, costs and expenses (including attorney's fees) relating to, resulting directly or indirectly from or in any way arising out of any claim, suit or proceeding brought against the Bank as a result of: i. Bank's authorized / bonafide use of the Deliverables and/or the Services provided by Bidder under this RFP or any or all terms and conditions stipulated in the SLA (Service level Agreement) or PO and/or ii. Relating to or resulting directly from infringement of any third party patent, trademarks, copyrights etc. or such other statutory infringements in respect of all components provided to fulfil the scope of this project. iii. An act or omission of the Bidder, employees, agents, sub-contractors in the performance of the obligations of the Bidder under this RFP or, any or all terms and conditions stipulated in the SLA(Service level Agreement) or Purchase Order(PO) and/or iv. Claims made by employees or subcontractors or subcontractors' employees, who are deployed by the Bidder, against the Bank and/or v. Breach of any of the term of this RFP or breach of any representation or false representation or inaccurate statement or</p>	<p>General Indemnity</p> <p>(i) The Service Provider shall indemnify, defend, and hold harmless the Bank, and its employees, personnel, officers, directors, agents, and representatives from and against any and all losses, liabilities, claims, actions, damages, costs, and expenses (including legal fees) arising directly or indirectly from or in any way related to any of the following:</p> <p>a. The Bank's authorized or bona fide use of the Deliverables and/or Services provided by the Service Provider under this RFP, or any terms and conditions stipulated in the SLA (Service Level Agreement) or Purchase Order (PO).</p> <p>b. Any act, omission, or failure by the Service Provider, its employees, agents, or subcontractors in the performance of the Service Provider's obligations under this RFP, SLA, or PO.</p> <p>bc. Any claims made by</p>	No change. Please be guided by the RFP Clause.

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			<p>assurance or covenant or warranty of the Bidder under this RFP or; any or all terms and conditions stipulated in the SLA (Service level Agreement) or PO and/or vi. Any or all Deliverables or Services infringing any patent, trademarks, copyrights or such other Intellectual Property Rights and/or vii. Breach of confidentiality obligations of the Bidder contained in this RFP or; any or all terms and conditions stipulated in the SLA (Service level Agreement) or PO and/or viii. Negligence or gross misconduct attributable to the Bidder or its employees, agent or sub-contractors. 2) The Bidder shall further indemnify the Bank against any loss or damage arising out of claims of infringement of third-party copyright, patents, or other intellectual property issued or registered in India, provided however, i. The Bank notifies the Bidder in writing immediately on aware of such claim, ii. The Bidder has sole control of defence and all related settlement negotiations, iii. The Bank provides the Bidder with the assistance, information and authority reasonably necessary to perform the above, and iv. The Bank does not make any statement or comments or representations about the claim without prior written consent of the Bidder, except under due process of law or order of the court. It is clarified that the</p>	<p>employees, agents, or subcontractors of the Service Provider against the Bank. d. Any breach of any term or condition of this RFP or any representation, warranty, or assurance made by the Service Provider under this RFP, SLA, or PO. ce. Any claims arising out of the Deliverables or Services infringing any patents, trademarks, copyrights, or other intellectual property rights. f. Any breach of the confidentiality obligations by the Service Provider under this RFP, SLA, or PO. g. Any gross negligence, gross willful misconduct, or failure to exercise reasonable care by the Service Provider or its employees, agents, or subcontractors. Further: i) if a Party makes a claim under the indemnity set out under Clause 33.1 above in respect of any particular Loss or Losses, then that Party shall</p>	

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			<p>Bidder shall in no event enter into a settlement, compromise or make any statement (including failure to take appropriate steps) that may be detrimental to the Bank's (and/or its customers, users and Bidders) rights, interest and reputation. 3) The Bidder shall compensate the Bank for direct financial loss suffered by the Bank, if the Bidder fails to fix bugs, provide the Modifications / Enhancements / Customization as required by the Bank as per the terms and conditions of this RFP and to meet the Service Levels as per satisfaction of the Bank.</p> <p>4) Additionally, the Bidder shall indemnify, protect and save the Bank against all claims, losses, costs, damages, expenses, action, suits and other proceedings, suffered by Bank due to the following reasons:</p> <p>i.</p> <p>ii.</p> <p>that the Deliverables and Services delivered or provided under this Agreement infringe a patent, utility model, industrial design, copyright, trade secret, mask work or trademark in any country where the Deliverables and Services are used, sold or received; and/or The Bidder shall indemnify the Bank in case of any mismatch of ITC (Input Tax Credit) in the GSTR 2A, where the Bank does not</p>	<p>not be entitled to make any further claim in respect of that Loss or Losses (including any claim for damages). The indemnifying party shall not have the right to settle any claim if such settlement contains a stipulation to, or an admission or acknowledgement of, any wrongdoing (whether in tort or otherwise) on the part of the indemnified party. Patent, Copyright, Trademark, and Intellectual Property Infringement</p> <p>ii. Service Provider shall have no obligations with respect to any Infringement Claims to the extent that the Infringement Claim arises or results from: (i) Service Provider's compliance with Bank's specific technical designs or instructions (except where Service Provider knew or should have known that such compliance was likely to result in an Infringement Claim and Service Provider did not inform Bank of the same); (ii) inclusion in a Deliverable of</p>	

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			<p>opt for retention of GST component on supplies.</p> <p>all claims, losses, costs, damages, expenses, action, suits and other proceedings resulting from infringement of any patent, trade-marks, copyrights etc. or such other statutory infringements under any laws including the Copyright Act,1957 or Information Technology Act, 2000 or any Law, rules, regulation, bylaws, notification time being enforced in respect of all the Hardware, Software and network equipment or other systems supplied by them to the Bank from whatsoever source, provided the Bank notifies the Bidder in writing as soon as practicable when the Bank becomes aware of the claim however:</p> <ul style="list-style-type: none"> • The Bidder has sole control of the defence and all related settlement negotiations. • The Bank provides the Bidder with the assistance, information and authority reasonably necessary to perform the above and bidder is aware of the rights to make any statements or comments or representations about the claim by Bank or any regulatory authority. Indemnity would be limited to court or arbitration awarded damages and shall exclude indirect and incidental damages and 	<p>any content or other materials provided by Bank and the infringement relates to or arises from such Bank materials or provided material; (iii) modification of a Deliverable after delivery by Service Provider to Bank if such modification was not made by or on behalf of the Service Provider; (iv) operation or use of some or all of the Deliverable in combination with products, information, specification, instructions, data, materials not provided by Service Provider; or (v) use of the Deliverables for any purposes for which the same have not been designed or developed or other than in accordance with any applicable specifications or documentation provided by the Service Provider; or (v) use of a superseded release of some or all of the Deliverables or Bank's failure to use any modification of the Deliverable furnished under this RFP including, but not limited to,</p>	

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
			<p>compensations.</p> <p>5) Bidder shall have no obligations with respect to any Infringement Claims to the extent that the Infringement Claim arises or results from:</p> <p>i. Bidder's compliance with Bank's specific technical designs or instructions (except where Bidder knew or should have known that such compliance was likely to result in an Infringement Claim and Bidder did not inform Bank of the same);</p> <p>ii. Inclusion in a Deliverable of any content or other materials provided by Bank and the infringement relates to or arises from such Bank materials or provided material;</p> <p>iii. iv. v. Modification of a Deliverable after delivery by Bidder to Bank if such modification was not made by or on behalf of the Bidder; operation or use of some or all of the Deliverable in combination with products, information, specification, instructions, data, materials not provided by Bidder; or (v) use of the Deliverables for</p>	<p>corrections, fixes, or enhancements made available by the Service Provider.</p> <p>In the event that Bank is enjoined or otherwise prohibited, or is reasonably likely to be enjoined or otherwise prohibited, from using any Deliverable as a result of or in connection with any claim for which Service Provider is required to indemnify Customer according to a final decision of the courts or in the view of Service Provide – the Service Provider may at its own expense and option: (i) procure for Bank the right to continue using such Deliverable; (ii) modify the Deliverable so that it becomes non-infringing without materially altering its capacity or performance; (iii) replace the Deliverable with work product that is equal in capacity and performance but is non-infringing; or (iv) If such measures do not achieve the desired result and if the</p>	

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			<p>any purposes for which the same have not been designed or developed or other than in accordance with any applicable specifications or documentation provided under the applicable Statement of Work by the Bidder; or Use of a superseded release of some or all of the Deliverables or Bank's failure to use any modification of the Deliverable furnished under this Agreement including, but not limited to, corrections, fixes, or enhancements made available by the Bidder.</p> <p>6) In the event that Bank is enjoined or otherwise prohibited, or is reasonably likely to be enjoined or otherwise prohibited, from using any Deliverable as a result of or in connection with any claim for which Bidder is required to indemnify Bank under this section according to a final decision of the courts or in the view of Bidder, Bidder, may at its own expense and option:</p> <p>(i) (ii) (iii)</p> <p>Procure for Bank the right to continue using such Deliverable; Modify the Deliverable so that it becomes non-infringing without materially altering its capacity or performance;</p>	<p>infringement is established by a final decision of the courts or a judicial or extrajudicial settlement, the Service Provider shall refund the Bank the fees effectively paid for that Deliverable by the Bank subject to depreciation for the period of Use, on a straight line depreciation over a 5 year period basis. The foregoing provides for the entire liability of the Service Provider and the exclusive remedy of the Bank in matters related to infringement of third-party intellectual property rights. The Service Provider shall not settle or compromise any such claim in a manner that would diminish the rights of the Bank or increase the obligations of the Bank under this Agreement, without obtaining prior written consent from the Bank. If the Service Provider elects not to defend the claim, the Bank shall have the right to defend or settle the claim, at the Service Provider's cost, and the Service Provider shall</p>	

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			<p>Replace the Deliverable with work product that is equal in capacity and performance but is non-infringing; or (iv) If such measures do not achieve the desired result and if the infringement is established by a final decision of the courts or a judicial or extrajudicial settlement, the Bidder shall refund the Bank the fees effectively paid for that Deliverable by the Bank subject to depreciation for the period of Use, on a straight line depreciation over a 5 year period basis. The foregoing provides for the entire liability of the Bidder and the exclusive remedy of the Bank in matters related to infringement of third party intellectual property rights.</p>	<p>reimburse the Bank for all associated costs, including any damages, settlements, legal fees, and other expenses. Should the amount payable to the Service Provider be insufficient to cover the costs incurred by the Bank, the Service Provider shall promptly reimburse the Bank for all such amounts.</p> <p>iv. If the Service Provider fails to fix bugs, provide required modifications, enhancements, or customizations, or fails to meet the Service Levels as agreed upon in this RFP, SLA, or PO, the Service Provider shall compensate the Bank for any direct financial loss suffered by the Bank due to such failure.</p> <p>vii. Indemnity under this Agreement shall be limited to the damages awarded by the court or in arbitration, and shall exclude any indirect, incidental, or consequential damages. However, indemnity</p>	

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				shall cover all damages, losses, or liabilities arising from claims made by regulatory authorities.	

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36	52	15 Technical and Commercial Offers	The price quoted by the Bidder should not change due to exchange rate fluctuations, inflation, market conditions, and increase in custom duty. The Bank will not pay any out of pocket expense	Bidder proposes to bill the bank on spot rate+1 basis	No Change
37	54	Stage-3 Commercial Evaluation Criteria with Reverse Auction	At the end of 5 years, Bank has the option for extending the AMC/ATS of the in scope components for additional 2 years at the same cost of 5th year AMC/ATS of this tender	Bidder proposes to mutually discuss the rates at the time of ordering since BANK will be issuing the PO for 5 years only	No Change
38	55	Payment Terms	60% - On Delivery of Hardware/Appliance based solution 30% -On Successful Installation of Hardware 10% -3 Months Post go-live of Internal Private Cloud along with Application	Bidder proposes as follows : 80% - On Delivery of Hardware/Appliance based solution 15% -On Successful Installation of Hardware 5% -3 Months Post go-live of Internal Private Cloud along with Application	No change. Please be guided by the RFP Clause.
39	55	Payment Terms	60% -On delivery of Licenses 30% - On Successful Installation & Commissioning of Software 10% -3 Months Post go-live of Application.	Bidder proposes as follows: 80% -On delivery of Licenses 15% - On Successful Installation & Commissioning of Software 5% -3 Months Post go-live of Application.	No change. Please be guided by the RFP Clause.

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40	31	7.2.3.1 Internal Private Cloud Infrastructure	Solution should support using the backup suites implemented in Bank for all backup requirements currently Commvault or any new backup suite which Bank finds suitable and the solution should leverage the use of these backup solution for the purpose of Backup in the New cloud Solution.	Please confirm, If Bank's existing backup tool to be used for this project. Please specify existing backup tool and we assume that there is enough backup capacity for this new project	Please be guided by the Clause no. 7.2.3.1 point 27 at Page no. 31 of the RFP Document.
41	45	Project Timeline	Installation of hardware at DC and DRC	Considering scope, requesting Bank to increase installation time to 12 weeks	Point is modified to "Hardware Delivery and Hardware & Application Software Installation (combining both) has to be completed within 26 Weeks from the date of PO." As per "Revised Project Timelines"
42	45	Project Timeline	Supply and delivery of software licenses at DC, DRC	Please confirm if this timeline is separate than Installation of Hardware at DC/DR	Yes, Supply and delivery of software licenses at DC, DRC is Within 6 weeks from Date of intimation by the Bank for supply
43	50	Monitoring & Audit	data recording is to be captured by the industry standard tools implemented by the Successful bidder.	Please elaborate in detail Bank Expectation here	The Service level measurements, Audit Logs, System logs etc. should be captured and recorded.
44	57	System availability	Scheduled operation time means the scheduled operating hours of the System for the month.	Does scheduled operation time mean Banking Business Hours	24 x 7

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45	9		Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 60 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that price will be adjusted by the Bank as per change in exchange rate.	We request Bank to delete this clause, as there are multiple factors considering the market dynamics of the price change like availability of the material, disk, chip etc. The dynamic factors for the price fluctuation. Hence we request Bank to keep the same as per mutual discussion for the repeat order.	Point is modified as "Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 12 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that price will be adjusted by the Bank as per change in exchange rate."
46	19	Scope of Work > 7.1 Scope Summary > Point 6	Scope of Work > 7.1 Scope Summary > Point 6 Bank reserves the right to issue a repeat order for any of the component or services at the same price subject to a maximum of 25% of ordered Price/Quantity during the Contract period.	We request Bank to delete this clause, as there are multiple factors considering the market dynamics of the price change like availability of the material, disk, chip etc. The dynamic factors for the price fluctuation. Hence we request Bank to keep the same as per mutual discussion for the repeat order.	Point is modified as "Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 12 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that

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					price will be adjusted by the Bank as per change in exchange rate."
47	45	8 Project Timelines	8 Project Timelines 1.Supply and delivery of hardware components at DC, DRC 12 Weeks Within 12 weeks of date of acceptance of the Purchase Order (PO) by the Vendor	We request Bank to modify the clause to : 1.Supply and delivery of hardware components at DC, DRC 20 Weeks Within 20 weeks of date of acceptance of the Purchase Order (PO) by the Vendor	Point is modified to "Hardware Delivery and Hardware & Application Software Installation (combining both) has to be completed within 26 Weeks from the date of PO." As per "Revised Project Timelines"
48		NA	Project Sign-off	We request bank to clarify if the project sign-off and start of warranty will be provided before migration or after migration We request it to be kept before migration as migration has many dependencies and can take a long time.	Warranty of hardware will start from the date of hardware installation acceptance by Bank. Warranty for Software will start from the date of commissioning of the Application Software. AMC will start from the date of expiry of warranty period.
49	45	8. Project Timeline	Supply and delivery of software licenses at DC, DR Within 6 weeks from Date of intimation by the Bank for supply.	When does the bank intend to start the activation of the software license	From the Date of Commissioning of the Application Software
50	9	Bid Security (EMD)	₹1,80,00,000/- (Rupees One Crore Eighty Lakh Only)	We request the bank to consider the EMD of Rs. 50,00,000/-	No change. Please be guided by the RFP Clause.

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51	9	Repeat Order	Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 60 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that price will be adjusted by the Bank as per change in exchange rate.	We request to remove this clause as it is not possible to execute the repeat order at the same cost due to the current geopolitical situation. Hence please place the repeat order at the same price within 3 months.	Point is modified as "Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 12 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that price will be adjusted by the Bank as per change in exchange rate."

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52	20	7 Scope of Work	<p>10. Considering the nature of the applications, it may happen that the bidder may propose a solution suite consisting of multiple features, functionalities suiting to the RFP requirements and in compliance of RBI cyber security and Outsourcing Circulars. The bidder shall provide the solutions with all such features (over and above to technical specifications) without any extra cost to the Bank. All the available functionalities should be available to the Bank. The bidders shall include all necessary expenses in complete cost of the respective line items of the solution in Annexure 2: Commercial Bill of Materials. All costs shall be included in the line items only.</p>	Please clarify in detail	<p>Considering the nature of the applications, the bidder may propose a solution suite comprising multiple modules, features, or functionalities that meet or exceed the requirements of the RFP and are compliant with applicable RBI Cyber Security Guidelines and RBI Outsourcing of IT Services Circulars.</p> <p>All such features, functionalities, and capabilities—whether explicitly specified in the RFP or provided as part of the proposed solution—shall be made available to the Bank without any additional cost. No functionality that is part of the proposed solution suite shall be withheld, disabled, or offered as a separately chargeable option.</p> <p>The bidder shall include all costs, including but not limited to licenses, subscriptions, modules, integrations, compliance-related features, security controls, and any other</p>

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					<p>necessary components, in the complete cost of the respective line items specified in Annexure 2: Commercial Bill of Materials (BoM).</p> <p>No costs shall be quoted outside the line items in Annexure 2. Any requirement necessary for meeting the functional, technical, regulatory, or compliance obligations of the RFP shall be deemed to be included in the quoted prices.</p>

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53	45	8 Project Timelines	Supply and delivery of hardware components at DC, DRC- 12 weeks Installation of hardware at DC and DRC- 6 weeks	We request the bank to consider : Supply and delivery of hardware components at DC, DRC- 16 weeks Installation of hardware at DC and DRC- 10 weeks	Point is modified to "Hardware Delivery and Hardware & Application Software Installation (combining both) has to be completed within 26 Weeks from the date of PO." As per "Revised Project Timelines"
54	48	10 Liquidated Damage	The Liquidated Damages (LD) shall be 1% of amount for Goods or Services including Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc. which have been delayed for each week or part thereof for delay until actual delivery or performance.	Request you to consider 0.5% of amount for Goods or Services including Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc.	Point is modified as "The Liquidated Damages (LD) shall be 1% of amount for Goods or Services for Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc. which have been delayed for each week or part thereof for delay until actual delivery or performance."
55		Scope & Commercial 2.1		How will scope additions (new integrations, compliance tools, features) be commercially handled?	Please be guided by RFP Clause "7.2.4 Warranty & AMC/ATS for Hardware and Software Items" Point 29 on Page 37

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56		Scope & Commercial 2.2		If Bank does not procure all listed components, how will pricing and FMS scope be adjusted?	Procurement of the application software and other in-scope components would be at Bank's discretion. Bank is not liable or bound to procure all the solutions mentioned. Bank may ask for staggered delivery of some of the components mentioned in the RFP. Bank may undertake phase wise procurement, supply, installation, and implementations of the solution(s) and its licenses. The Bidder has to quote component wise in the Bill of Material and any component which is not required by the Bank may be excluded for the excluded component Bank will not make any payment.
57		Migration 4.2		Will Bank provide approved downtime windows and sign-off for migration activities?	YES
58		SLA & Support 5.1		From which event is the 4-hour SLA measured—ticket logging, email, or verbal intimation?	Please be guided by Clause 20 "Service Level Agreement" on Page 57 of the RFP Document
59		SLA & Support 5.2		Is there an annual or contract-level cap on SLA penalties?	Please be guided by Clause 20 "Service Level Agreement" on Page 57 of the RFP Document

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60		Facility Management 6.1		Minimum number of onsite resources expected per shift?	One Resource
61		Facility Management 6.2		Will FMS scope extend automatically to new DC/DR or Near-DR sites?	YES
62		Security & Compliance 7.2		Will new RBI or statutory mandates be treated as change requests?	Please be guided by RFP Clause "7.2.4 Warranty & AMC/ATS for Hardware and Software Items" Point 29 on Page 37 of the RFP Document
63		Governance & Exit 9.1		What is the expected support scope during transition at contract end or early termination?	Please be guided by Clause 39.5 Page 77.of RFP Document
64	NA	General	Project Time Line	Kindly provide project timelines	Please be guided by the Sl.No 8 of the RFP Clause "Revised Project Timelines"
65	19	7 <u>Scope of Work</u> <u>Point no. 5</u>	Term of the contract shall be for a period of 5 years from the day of installation acceptance of respective hardware, software and services by the Bank. Bank has the option for extending the AMC/ATS of the in scope components for additional 2 year after expiry of the contract at the same cost of 5th year AMC/ATS cost of this tender.	OEM can provide 6th & 7th Year price commit only when it is a part of TCO. We request bank to consider it as a part of the commercial bid.	No change. Please be guided by the RFP Clause.

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66	30	1.2 Detailed Scope of Work	1.2.1 Detailed General Scope OEM/OEM Authorized Engineer is required to do end-to-end installation, implementation and configuration of in-scope Hardware and Software.	Kindly confirm whether the implementation and configuration activities must be performed only by OEM engineers, or if the bidder's OEM-certified engineers are permitted to carry out the implementation tasks	OEM's Engineer to perform the Implementation
67	60	20.4 Service Level Default	Overall cap of all the penalties over the tenure of the contract will be 10% (ten percent) of the contract value.	Bidder proposes to reduce the capping to 5% of the total contract value	No change. Please be guided by the RFP Clause.
68	48	10 Liquidated Damage	The Liquidated Damages (LD) shall be 1% of amount for Goods or Services including Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc. which have been delayed for each week or part thereof for delay until actual delivery or performance. However, the total amount of Liquidated Damages deducted will be pegged at 10% of the contract value.	Bidder proposes to reduce the capping to 5% of the total contract value	Point is modified as "The Liquidated Damages (LD) shall be 1% of amount for Goods or Services for Delivery, Installation, Implementation and Migration of the Hardware, Software, Tools etc. which have been delayed for each week or part thereof for delay until actual delivery or performance."

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69	9	1 Invitation for Tender Offers	Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 60 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that price will be adjusted by the Bank as per change in exchange rate.	Bidder proposes to mutually discuss the rates at the time of ordering since rates from OEM will vary during the contract period	Point is modified as "Bank reserves the right to issue a repeat order for any of the components or services at the same price subject to a maximum of 25% of ordered quantity within 12 months from the date of Purchase Order at the same price provided INR-US\$ exchange rate does not vary by more than 10% as compared to INR-US\$ exchange rate as on the date of purchase order and above or below that price will be adjusted by the Bank as per change in exchange rate."
70	81	49/Visitorial Rights	49/Visitorial Rights	Customer to provide at least 30 days advance prior written notice to the Bidder before visiting the premises of the Bidder. The visit is to be conducted only in official hours and the access will be limited to the scope of services.	No Change
71	106	Annexure 9/Section 11/Fall clause	Annexure 9/Section 11/Fall clause	We propose deletion of this clause.	No Change

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72	30	7.2.3 Point number 15:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure Other Application Cluster	Can you please what are these other application clusters?	1. Windows Cluster 2. Linux Cluster -RHEL 3. Non RHEL - Cluster
73	30	7.2.3 Point number 16:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure The bidder has to provide separate/unified platform Management Software licenses for above mentioned cluster	What management software license are expected to be provided, please highlight	The Bidder has to quote for the Hardware and Software components for the Management Servers which is already present in the Hardware and Software Cost of Bill of Material. Any other component (Hardware, Software, Licenses) needed for successful commissioning of the Project has to be quoted in the Bill of Material. Additional rows may be added in the Bill of Material for the same. Bank will not pay for any additional amount other than present in the Bill of Material.
74	30	7.2.3 Point number 19:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure The solution should have native capabilities for replication and also accommodate and support any other replication technologies like those used by any other Hypervisor and or physical storages as may be. Enterprise licenses or highest license category available should be provided for the replication of Data between the DC and DR & to other node.	Replication is typically handled by storage layer or specific vendors who specialize in replication software. Request bank to remove the word "the solution should have native capabilities for replication"	The proposed solution should have a replication functionalities which is capable to replicate in the DR environment.

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75	30	7.2.3 Point number 22:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure The solution to be capable of providing a single pane management for in scope Hardware & Software components with the capability for Operational Management (with Admin & User views), easy provisioning capabilities, Automatic / One click orchestration features, feature for creating templates or blueprints for various VM / containers, easy grouping of the provisioned resources and application of policies etc.	What is expected for single pane (unified) management of hardware components? Will the single pane management providing view of VM resources (CPU, memory, storage) be accepted or does the bank expect more granular view of underlying hardware?	The Solution should allow the user to manage, configure, monitor, automation of the resources/instances/VMs provisioning, (CPU, Network, Memory, Storage) of the nodes servers also it includes control of resources and utilization reports with mail triggering on alerts/incidents should be available as native features.
76	31	7.2.3 Point number 31:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure The solution should deliver zero data loss in case of disk, host or network failure. The platform should have ability to replicate VM's independently & irrespective of the Hypervisor SW	Can third party solutions for replication of VMs be proposed?	Third party tools May be used for replication but the licensing part should be included along with platform license.
77	31	7.2.3 Point number 35:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure The solution must support migration or replication of Virtual machines across multiple disaster recovery sites, so that key virtual machines can be recovered in times of disaster.	Kindly specify how many DR sites do we need to migrate / replicate the VMs to?	Single DR site only has to be replicated, Bank is having near line DC as well in case required replication may applicable for Near line DC as well in future. DR located in Hyderabad

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78	31	7.2.3 Point number 36:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure The bidder has to configure the solution to have catalogue of private cloud and self-service provisioning	Kindly specify what is the requirement of catalogue of private cloud? Can we recommend to have the capability of creating custom templates which can be made available as part of catalogue?	The catalogue should include Pre-defined and configurable service offerings such as - VM Templates (windows/Linux) - Compute, Storage and network profiles - Application ready blueprints with standard configuration aligned with bank policies. - These services should be provisioned with self-service portal with RBAC, Approval workflows, Automated provisioning and Lifecycle management.
79	31	7.2.3 Point number 37:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure The bidder has to configure application lifecycle management with automated orchestration across multiple hypervisor and cloud.	Kindly specify what is the expectation here, what application lifecycle management is expected and across which hypervisor and cloud?	The proposed solution should be capable of lifecycle management which is expected to manage in scope hypervisors/ platforms ie., HCI Nodes, GPU Nodes, Kubernetes Nodes and Management nodes.
80	31	7.2.3 Point number 38:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure The solution should provide ability to orchestrate readymade workflows with third-party integrations via APIs to simplify the use of complementary IT service management tools (Banks existing & future tools) and products.	Please provide the list of the existing and future tools that bank wants to integrate with the cloud platform	Currently Bank is using KACE Tools for OS Patch management, for inventory control it uses Motadata, Trend Micro Secure IT, Deep security. For SIEM Integration, it should support Major SIEMs Solutions.

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81	31	7.2.3 Point number 39:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure The solution should be configured for Life Cycle Management Workflows: Provisioning, cloning, re-sizing, snapshot, deletion etc. There should be zero manual intervention in this entire process.	Please help in sharing the expectation, is bank expecting to automate the provisioning, cloning, re-sizing, snapshot, deletion etc. to be handled through automation?	It is expected to provide automation which includes new VM creation, instances, Containers, cloning, resizing, snapshot, resource allocation, scaling of resource with margins, the automation should undergo with several work flow approvals.
82	31	7.2.3 Point number 41:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure Reports should be generated as per Banks requirement	Please specify the type of reports that are to be generated. Are these reports generated by 3rd party solution or OOTB reports generated by platform?	We are expecting the report generation should be included in the solution. Report should be prebuilt or ready to use format but we are expecting all the resources attributes of VMs, storage, network, containers and their utilizations
83	32	7.2.3 Point number 45:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure The solution should provide enterprise data services such as compression in software. Solution must have de- duplication and compression features licenses and implemented from day one. These functionalities should be part of the proposed solution. The Solution must have functionality to support compression and or Deduplication online on data container without any downtime and data loss.	Please clarify what is the expectation here, is the compression, deduplication expected from the virtualization solution or the storage layer? A storage solution is best fit to handle compression of data, de-duplication etc., and kindly clarify on the expectation.	Data compression and de-duplication features are expected in the Solution

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84	32	7.2.3 Point number 46:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure The bidder has to migrate the existing application / Database with data from the Servers on VMware, Nutanix, Hyper-V and Bare metal environment to the new Private cloud infrastructure.	Please provide the list/type of applications and databases running on your existing environment. For migration to new Private Cloud platform, confirm the existing platforms provide the open standard OVF/OVA formats for VM migration.	The VMs should be migrated in the lift and shift manners (OVA, OVF, qcow2, vmdk). For bare metal we have several DBs and application DBs- Postgresql, MySQL, Oracle DB, Mongo DB. Applications - .Net Framework, Java, etc
85	32	7.2.3 Point number 50:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure Configure required VM replication as per Required RPO with Failover and Failback.	Please specify what is the RPO expected here for VM replication?	RPO - ASYNC Replication RTO - 30 Minutes to 2 Hours
86	32	7.2.3 Point number 53:	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure Configuring VM Replication with HCI best Practice.	VM replication with HCI best practice is a proprietary requirement, request bank to remove this. Is the Bank open to 3rd Party VM replication	Bidder may propose 3rd Party Replication Software with Enterprise support from OEM.
87	30	Point number 30	The solution must have De-duplication and Compression features licensed and implemented from day one.	Please clarify what is the expectation here, is the compression, deduplication expected from the virtualization solution or the storage layer? A storage solution is best fit to handle compression of data, de-duplication etc., and kindly clarify on the expectation.	Data compression and de-duplication features are expected in the Solution

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88	175		Should support RAG, Data & Vector Capabilities, RAG-compatible modular architecture, Vector embedding generation, Data indexing & retrieval service, Unstructured document parsing ¹⁰ .	The Bank requires support for RAG (Retrieval-Augmented Generation) and vector capabilities. Does the Bank have a preferred vector database, or should the bidder propose an integrated vector/graph database certified with the AI platform?	Bidder has to provide the solution for Vector Database with enterprise level of support.
89	175	Kubernetes Nodes -	Operating System with Kubernetes.	Considering the stability and security requirements of the bank's AI platform, instead just stating OS and Kubernetes, please consider rephrasing the statement to enterprise-grade operating system combined with an enterprise Kubernetes platform recognized as a Leader by Gartner and Forrester is recommended.	All the Solutions should be with Enterprise Support from OEM.
90	175	AI SOFTWARE	Create AI inference endpoints, Real-time inference, OpenAI-compatible endpoints, Model Runtime & API Gateway, Horizontal scaling.	For efficient GenAI model serving and optimized GPU resource utilization, disaggregated inference functionality is essential; however, it is not currently mentioned. Request to include it.	Any optimization done by the Bidder shall be treated as implementation choice and must not deviate from, dilute, or override the functional, technical, security, compliance, and operational requirements specified by the Bank in the RFP.

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91	175	GPU Nodes	The Solution should provide pre-flight testing.	Can we have description of pre-flight testing, what all need to be covered and expectations	Pre-Flight testing: Quick validation of Hardware health check-up like Link status, Nvlink Latency tests, check for cold starts or inconsistent latencies. The above mentioned quick validation has to carry out before deploying workloads.
92	33	GPU Nodes	6) Support for GPU sharing, scheduling, and isolation	Model-as-a-Service (MaaS) is a proven and validated approach for efficient GPU sharing. We request inclusion of Model-as-a-Service as a requirement for GPU sharing.	GPU sharing should be achieved ultimately. Bidder may propose Model as a Service.
93	33	GPU Nodes	11) Monitoring of GPU, CPU, memory, and storage utilization	Model monitoring with metrics such as TTFT, TPOT, and end-to-end latency is essential for effective AI cluster operations. We request the inclusion of a model monitoring dashboard in the spec	Bank require Dashboard for the monitoring of GPU, CPU, memory, and storage utilization which may be achieved by Model Monitoring etc.
94	34	AI SOFTWARE	Agentic AI Standardization	Agentic AI adoption is slowed by fragmentation, highlighting the need for standardization. We request inclusion of a clause that requires the AI platform to support standardized capabilities.	No Change

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
95	19	Section 7.1	1. Central Bank of India intends to select a proven & experienced Bidder to Supply, Implement, Configure and Maintenance of Private cloud, GPU Servers & AI Solution and Kubernetes Solution at the Bank's location.	The RFP requires a Private Cloud, a Kubernetes & AI platform. Propose the Bank to have a unified Platform providing Virtual Machines, Containers & AI Workloads being managed, secured, and networked using the Unified Kubernetes platform providing native tools and policies	No Change
96	143	Annexure 25	MINIMUM TECHNICAL SPECIFICATIONS - HCI Nodes. The proposed solution should be a Hyper converged infrastructure (HCI), should have Automation, Orchestration, Compute, Storage virtualization	As Bank is moving towards the path to modernization with cloud native, Kubernetes and AI. HCI may get Bank into a vendor lock-in architecture and loose flexibility to choose Compute, Storage & Networking for independently scaling these infra components. Given the Banks vision to modernize and open to industry standards without getting vendor locked-in, we recommend Bank to consider Non-HCI solution supporting open standards/open Architecture on commodity infrastructure.	No changes

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
97	31	Section 7.2.3.1	32. Solution should support for hosting their SDS (Software Defined Storage) component with choice of servers hardware available from leading OEM's. Bank should be able to run SDS solution on any compatible x86 hardware of choice and Licenses proposed for Software Defined Storage (SDS) Platform should be perpetual / subscription in nature (end user License name must be in the name of Bank). Bidder/OEM need to provide the Hardware Validation on the proposed Solution. The SDS license should not be tied with any specific hardware and must be transferable to any x86 hardware, in case bank wants to deploy it on new x86 hardware.	Please clarify if the Bank prefers a storage solution that is decoupled from the hypervisor licensing, allowing the Bank to repurpose x86 hardware without being tied to a specific vendor's integrated hypervisor-storage bundle?	The bidder has to provide Software Defined Storage Licenses for the Solution.
98	85	62.2 Disaster Recovery Plan	1) Specific recovery objectives, such as Recovery Time Objective (RTO) and Recovery Point Objective (RPO), to be met for each service	Please share the Banks RPO & RTO expectations	RPO - ASYNC Replication RTO - 30 Minutes to 2 Hours
99	144	Annexure 25 Point 19.	Hypervisor should provide Visibility for Running VM and their connectivity co-relationship with Network Ports on attached Physical TOR / Core Direct which Include Network RX/TX Bytes.	Our understanding is Dashboard /Reporting is required for overall status of running VMs and correlation with CPU/Memory, storage and attached Network. Please specify if this is an out of the box dashboard or third-	The Solution must provide real-time and historical visibility into all running virtual machines (VMs) along with their network connectivity.

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				party tool requirement to showcase this?	
100	144	Annexure 25 Point 21	Annexure 25 It should allow dynamic adjustment of the teaming algorithm so that the load is always balanced across a team of physical adapters on a Virtual Switch.	Recommend/Propose Bank to consider the industry standards like LACP (Mode 4) , Active-Backup (Mode 1), SR-IOV teaming modes which will ensure your network traffic flow is deterministic, compliant with standard switch configurations, and compatible with every major network vendor without reliance the legacy hypervisors which rely on proprietary software algorithms to shuffle traffic (consuming host CPU).	The Servers NIC's should be configured with teaming algorithm for High availability.
101	145	Annexure 25 Point 25	Virtualization software or the solution should provide Cluster level encryption protects unauthorized data access at-rest.	Recommended Industry practice is to encrypt the data at rest, will the bank consider only encrypting the data at rest instead of entire cluster.	The Point is revised as "The virtualization software / solution should provide encryption of data to protect unauthorized data access at rest of the System."

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102	145	Annexure Point 26 25	Proposed platform should be able to support One-to-many relationships for replication of VMs in the manner of Site A to Site B and Site A to Site C	Is Bank willing to accept 3rd party solution instead of proposed platform?	The proposed Solution should support one-to-many replication relationships for virtual machines, enabling simultaneous replication from primary site (Site A) to multiple secondary / disaster recovery sites (Site B and Site C). 3rd Party Replication Software may be proposed.
103	145	Annexure Point 35. 25	The proposed solution should be HCI based and it should be 100% software defined and should not leverage any specialized hardware (proprietary) other than x86 Hardware to run virtualization layer with Software Defined Storage. The solution must be Hardware OEM agnostic.	These specifications are proprietary and is aligned to a specific vendor. Request Bank to be supportive of open standards and update the point accordingly?	The proposed solution must be Hyper-Converged Infrastructure (HCI) based, built on a software-defined architecture. Compute, storage, and networking functionalities shall be fully software defined. Software Defined Storage (SDS) shall utilize local disks of the x86 servers. Only x86 servers shall be used to host the virtualization and SDS layers. The HCI software stack must be independent of any specific hardware OEM. Hardware refresh, scale-out, or replacement should be possible without changing the HCI software stack. Must support high availability, fault tolerance, data replication,

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					and policy-based management suitable for mission-critical banking workloads.

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104	145	Annexure 25 Point 36.	The proposed solution should be HCI based and it must have metadata distributed on all nodes in a cluster i.e. each node in the cluster should carry information about data lying across the cluster and capacity utilization / distribution across the cluster at all times.	These specifications are proprietary and is aligned to a specific vendor. Request bank to be supportive of open standards and update the point accordingly	The proposed solution must be based on a Hyper-Converged Infrastructure (HCI) architecture. The HCI solution must maintain metadata in the cluster for Capacity utilization and resources Health check. Metadata availability must be ensured even in the event of node failures without impacting cluster operations. Administrators must have real-time visibility into data distribution and capacity consumption.
105	165	GPU Nodes - Point 1	Rack Should be supplied with OEM Rack	The proposed server does not require any specialized rack to be deployed. The proposed server can be deployed within industry standard 19" rack. We request Bank to modify this clause to "Should be supplied with industry standard Rack"	OEM Rack means it should not be general build and should be supplied with Industry Standards to be used in Datacentre with all 4 PDUS each Rack, Fans and other components.
106	166	GPU Nodes - Point 12	Power Supply Redundant Power Supply with C13-C14 cables	Since the GPU nodes have a higher power draw, Hence , We request Bank to modify this clause to "Redundant Power Supply with C13-C14 or C19-C20 power cables"	Redundant Power Supplies with C13-C14 or C19-C20 power cables. With compatible PDUs/Power stripes.

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107	Technical Compliance	Hypervisor point no 18	System should support Data Replication between DC and DR site with Enterprise Scalability to support VMs being replicated. Should be Synchronous, Asynchronous data replication	Requesting CBI to clarify on the RPO required and also provide details related to DC DR connectivity Requesting bank to accept the Hypervisor, SDS & Management tool for private cloud from single OEM	RPO -ASYNC Replication Details of the DC DR Connectivity will be shared with the successful Bidder. No Change.
108	Commercial Bid	Point 4	Internal Private Cloud Management Servers Software Licenses	Qty mentioned here is 8, software licenses for these servers will also be core based as per HCI nodes. Qty of the software will depend on the number of cores in the management server	Server quantity is 8. Bidder has to supply All Kind of licenses required for making the solution live.
109	Commercial Bid	Point 5	Operating System Licenses for Internal Private Servers Cloud Management Servers	Operating system for Private cloud, Kubernetes & AI comes as a bundle, kindly clarify the thought process behind putting it as separate line item	Bidder has to supply All Kind of licenses required for making the solution live.
110	commercial bid	Point 7	Operating System Licenses for Kubernetes Servers each with 64 Cores	Operating system for Private cloud, Kubernetes & AI comes as a bundle, kindly clarify the thought process behind putting it as separate line item	Bidder has to supply All Kind of licenses required for making the solution live.
111	Commercial Bid	Point 9	Operating System Licenses for GPU Servers each with 64 Cores	Operating system for Private cloud, Kubernetes & AI comes as a bundle, kindly clarify the thought process behind putting it as separate line item	Bidder has to supply All Kind of licenses required for making the solution live.

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112	30	7.2.3.1 Point 15 Page 30	The solution should be prepared for tentative 3 to 5 Cluster at DC and DRC both Windows Database Cluster Windows Application Cluster Linux Database Cluster Linux Application Cluster Other Application Cluster	Please specify the cluster size like host per cluster	The details will be shared with the successful Bidder
113	32	7.2.3.1 Point 49 Page 32	The replication and DR orchestration licenses provided must be unlimited VM based	can we specify the VM count instead of unlimited	The point is revised as "The replication and DR orchestration licenses should be provided for 200 VM Servers"
114	48	7.2.3.1 Point 32 Page 30 Technical	The solution should be licensed with micro segmentation features.	Is it optional, if not then is it must for all hosts in private cloud	The Bidder has to provide solution with licenses for micro segmentation features.
115	157	AI SOFTWARE	The Solution should provide pre-flight testing	Please provide more details on Pre-flight-testing	Pre-Flight testing: Quick validation of Hardware health check-up like Link status, Nvlink Latency tests, check for cold starts or inconsistent latencies and GPU health check-ups The above mentioned quick validation has to carried out before deploying workloads.

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116	165	Tech Spec-GPU Nodes	Each Node should support Minimum 16 NVMe Drives with Tri Mode RAID Controller Minimum 45TB Raw Capacity per node (RAID 5)	why Trimode controllers is specified to be used for GPU Nodes?	The point is revised as "Each Node should support Minimum 16 NVMe Drives with RAID Controller Minimum 45TB Raw Capacity per node (RAID 5) and should have HBA card for Storage Connectivity. The system should work with Hardware Raid on the Server Disk and HBA card should connect Storage."
117	146	HCI Nodes	The solution provided should function even after one node failure.	please confirm that during patching and upgrade activity of cluster ; solution should function even after one node failure must be adhered too	Yes even in one node is in maintenance mode the cluster should function.
118	155	Kubernetes Nodes	The proposed Kubernetes platform should have built-in rich data services to protect stateful applications by offering storage replication to ensure data is safe across the environment in the event of a disaster	please confirm if the understanding is correct that; this is for protection of PVC volume from data protection point of view irrespective of storage replication	Understanding is correct
119	156	AI Software	Create AI inference endpoints, Real-time inference, OpenAI-compatible endpoints, Model Runtime & API Gateway, Horizontal scaling.	Do we need vMotion support for vGPU VM profile and Distributed GPU Scheduling	Depends on the solution architecture, Bidder may provide.

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120	Pg 157	AI Software	Should support RAG, Data & Vector Capabilities, RAG-compatible modular architecture, Vector embedding generation, Data indexing & retrieval service, Unstructured document parsing	AI workload would need vector DB should platform have built in license & support for vector DB .	The Bank does not prescribe any specific vector database or graph database. Bidders are required to propose a solution that supports Retrieval Augmented Generation (RAG) and vector search capabilities in line with the proposed AI platform architecture. However, the Bidder must ensure and demonstrate that the proposed vector / graph database solution is fully compatible and interoperable with the proposed AI / LLM platform and supports RAG use cases in a production environment.
121	26	<u>7.2.1 Detailed General Scope Point no. 14</u>	The proposed solutions should be integrated with Bank's cyber security platforms as given below: a)Security Operation Centre (SOC), b)Preventive Identity Management (PIM), c)Security Incident Event Management (SIEM), d)Antivirus, Antimalware, e)Data Loss Prevention (DLP), f)Anti-Advanced Persistent Threat (Anti-APT), g)Endpoint Detection and Response (EDR) h)Active Directory	We request Bank or share the make model for all the mentioned solutions	Details will be provided to successful Bidder. During the Contract period, Bidder also has to integrate the in scope Solution to any new/changed Security Tools of the Bank.

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			i)Multi Factor Authentication and Single Sign on System etc.		
122	45	8. Project Timeline	Supply and delivery of software licenses at DC, DR	When does the bank intend to start the activation of the software license?	It should be from the date of Commissioning Sign off
123	186	FMS RESOURCES	L2 (DC) OEM Certified Engineer	Please advise if this is going to be a OEM resource or not. Ideally it should an L3 resource who can manage the day 2 operations effectively	L2 (DC) OEM Certified Engineer will be on Bidder's Payroll who has Certification of the OEM Product to be managed.

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
124		Point no. 10	<p>1. Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,</p> <p>2.GPU Servers with minimum 32 Cores of CPU –in One Purchase Order.</p> <p>3.Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order,</p>	Please help to understand if the bidder can only share PO for the proposed solution or any other OEM PO will also work?	<p>It is for Bidders Experience and Bidder should have supplied and implemented the "1.Internal Private Cloud Infrastructure using minimum 50 number of Nodes or 1500 Cores of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order,</p> <p>2.GPU Servers with minimum 32 Cores of CPU –in One Purchase Order.</p> <p>3.Kubernetes Software with minimum 200 cores / 8 Processor Socket License in One Purchase Order," of any OEM Product in Scheduled Commercial Bank / BFSI /NBFC / PSU in India in last 5 years (2021-22, 2022-2023, 2023-24, 2024-25, 2025-26) in single or multiple Projects.</p>

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
125		Point no. 11	1.Internal Private Cloud Infrastructure using minimum 75 number of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order, 2.Minimum 8 numbers of GPU Servers –in One Purchase Order 3.Kubernetes Software with minimum 300 cores / 12 Processor Socket License in One Purchase Order,	Please help to understand if the bidder can only share PO for the proposed solution or any other OEM PO will also work?	It is for the proposed OEM Product for OEM Experience and OEM Product should have been supplied and implemented "1.Internal Private Cloud Infrastructure using minimum 75 number of x86 Hardware with Hypervisor/Virtualisation Software in one Purchase Order, 2.Minimum 8 numbers of GPU Servers –in One Purchase Order 3.Kubernetes Software with minimum 300 cores / 12 Processor Socket License in One Purchase Order," of Own Product. Credential letter is required.
126	30	Other Application Cluster	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure Point number 15: Other Application Cluster	What are these other application clusters?	Cluster with any Operating System and Application

Sr. No.	Page No.	Point/Section	RFP Clause	Query	Bank Response
127	30	Management Software	<p>7.2.3 Applications at DC and DRC</p> <p>7.2.3.1 Internal Private Cloud Infrastructure</p> <p>Point number 16: The bidder has to provide separate/unified platform Management Software licenses for above mentioned cluster</p>	What management software license are expected to be provided, please highlight	<p>The Bidder has to quote for the Hardware and Software components for the Management Servers which is already present in the Hardware and Software Cost of Bill of Material. Any other component (Hardware, Software, Licenses) needed for successful commissioning of the Project has to be quoted in the Bill of Material. Additional rows may be added in the Bill of Material for the same. Bank will not pay for any additional amount other than present in the Bill of Material.</p>

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128	30	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure Point number 22:	Management Capabilities The solution to be capable of providing a single pane management for in scope Hardware & Software components with the capability for Operational Management (with Admin & User views), easy provisioning capabilities, Automatic / One click orchestration features, feature for creating templates or blueprints for various VM / containers, easy grouping of the provisioned resources and application of policies etc.	What is expected for single pane (unified) management of hardware components? Will the single pane management providing view of VM resources (CPU, memory, storage) be accepted or does the bank expect more granular view of underlying hardware?	End-to-end visibility and control of Hardware, VM inventory, CPU, memory, storage allocation & utilization, performance and availability, VM lifecycle (create, resize, migrate, and retire).
129	32	7.2.3 Applications at DC and DRC 7.2.3.1 Internal Private Cloud Infrastructure Point number 46:	The bidder has to migrate the existing application / Database with data from the Servers on VMware, Nutanix, Hyper-V and Bare metal environment to the new Private cloud infrastructure.	Please provide the list/type of applications and databases running on your existing environment. For migration to new Private Cloud platform, confirm the existing platforms provide the open standard OVF/OVA formats for VM migration.	Details will be provided to Successful Bidder

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130	144	22 Hypervisor	The solution should be able to Migrate VM Workload to and from ESXi & Hyper-V Hypervisors to the proposed Hypervisor.	Which are the existing Hypervisors used in the CBOI environment? Is it just ESXi and Hyper V?	Bank has VMware, Nutanix and Hyper V Solutions
131	145	26 Hypervisor	Hypervisor Proposed platform should be able to support One-to-many relationships for replication of VMs in the manner of Site A to Site B and Site A to Site C	How many sites are in scope of this solution?	At DC and DR with multiple Sites
132	146	47 Software Defined Storage	The proposed solution should support RPO & RTO for critical workload as per Bank requirement. The proposed solution should have native Replication and DR Orchestration from Day-1.	Can you give us an idea on the RPO / RTO requirement?	RPO - ASYNC Replication RTO - 30 Minutes to 2 Hours
133	148	73	The solution should have catalogue of private cloud and should support self- service provisioning capabilities	What are the typical services which needs to be part of the catalogue? If You can give us an idea?	The solution shall support the creation, customization, versioning, and governance of templates, which can be published to the catalogue and made available for self-service provisioning based on role and policy
134	148	74 Management	The proposed solution should support application lifecycle management with automated orchestration across multiple hypervisor and cloud.	Which Hypervisors needs to be supported? Which Clouds including Public Clouds will be in scope of application life cycle management & orchestration?	In scope Hypervisor on Private Cloud

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135	165	3 GPU Nodes	Minimum 2x NVIDIA NVL PCIE GPU with minimum 140GB capacity per GPU (H200) from Day 1 (NVIDIA NVAIE License 5 years should be included)	Is H200 the only NVidia GPU model required ? Are any other GPU models required? For example in case of inferencing other GPU models like L40S provides better price-per-inference efficiency compared to H200	H200 only
136	24	3 Installation, configuration, and operationalization	Installation, configuration, and operationalization - To be performed by OEM	Configuration & Operationalization can the bidder's OEM certified personnel do it or it needs to be done 100% by OEM personnel?	Needs to be done by OEM Person
137	30	7.2.3 Applications at DC and DRC	The bidder has to migrate the existing VM clusters / Bare Metal Servers (OS, Application and Data) from the current VMware and Nutanix environment to the proposed new solution. The bidder has to migrate the existing Windows and Linux VMs as required by the Bank to the proposed new solution.	Can we get a high level configuration details of the 250 servers in scope of migration? I am seeing the number 250 in the section Software Installation, Implementation and Migration Cost(page 176)	The estimated count of VM which is need to be migrated is 250 Only

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138	156	AI SOFTWARE	The proposed AI platform should support on-premises deployment, The proposed AI solution should support x86 architecture.	The AI Platform IP rights will be owned by the bidder and won't be transferred to any 3rd party - Is CBOI fine with that	<ul style="list-style-type: none"> • The Bank shall be granted license to use the AI platform for its internal business operations for the duration of the contract and thereafter, as applicable. • The license shall include rights to configure, customize, integrate, and use the platform with the Bank's existing and future systems. • The Bank shall retain full ownership of all data, including prompts, embedding, vector indexes, configurations, outputs, logs, and any Bank-specific Artifacts generated during usage. • No Bank data, metadata, or derived Artifacts shall be shared, transferred, or reused for training or any purpose outside the Bank without explicit written consent. • The Bidder shall ensure continuity of usage and access to the platform for the Bank for the agreed contract term, including support and upgrades, without dependency on transfer of IP to any third party.

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139	83	55/Publicity	55/Publicity	We propose to make this clause mutual.	No Change
140	58	System availability	The Bank will leverage existing/future EMS tools to monitor and manage the Solution/IT Infrastructure.	Please provide details of existing EMS & ITSM tool to be leveraged for this project	The solutions are from Motadata
141	21	UAT	UAT Setup	Please provide specification and volumetric for UAT setup to considered.	Before making any changes in the Production environment the same should be checked on the UAT Setup
142	13	General	11. Each proposed OEM product	Please specify Rack Specification followed by Bank	<ul style="list-style-type: none"> • 42U Rack Frame/600X1200/Steel/NRS1/CKD/Casters Type 2 Levellers • 19" Adopter kit /42U/Loops • Perforated Door/42/600/Flat/NRS1 • Perforated Door/42/600/Dual/NRS1 • Swing handle / Mechanical Lock / Single Point / Common Key/Polymade • Swing handle / Mechanical Lock / Single Point / Common Key/Polymade • Side Panels/1200/42U/Vented/NRS 1 • ITE / Server Rack Air Circulation module/Tower Mount/360CFM • Server /IT Rack mount 4 power distribution unit, 1Phase,

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					230V, 32A, 50/60Hz, Zero U standard with 12 X Indian Round Pin 5/15A, (Inlet Plug Not Installed, Recommended IEC30932A 2P +E), 16A MCB X 2 Circuits- PDU Rating 7.3KVA/Bottom feed-3Mt/ Black • Mounting Hardware-CR (Pack of 20) Shelf/1000
143		General		Please specify how much maximum consumed power per rack can be considered.	12KW
144		General	FMS resources	Considering technology landscape across Private Cloud, Kubernetes, AI. 5 L2 resources will be insufficient to manage 24*7*365 operation. Requesting Bank to specify no of resources technology wise and support window.	Bank has specified the Minimum Resource Requirement. Bidder may deploy resources as per need.
145		General	FMS resources	Bank also need to include L3 Resources for managing this setup.	No Change

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146	161	Kubernetes Nodes - Point 5	Kubernetes Nodes - Point 5 Capacity Drives Each Node should support Minimum 24 x NVMe Drives with Minimum 45TB Raw Capacity per node	Kindly clarify if any internal RAID controller is required for the internal NVMe drives	Yes, internal Hardware RAID controller is Required for Kubernetes Nodes. Any Node in the in scope Hardware working as Baremetal Server and not an HCI node should be loaded with Hardware Raid controller.
147	163	Management Nodes - Point 5	Management Nodes - Point 5 Capacity Drives Each Node should support Minimum 24 x NVMe Drives with Minimum 45TB Raw Capacity per node	Kindly clarify if any internal RAID controller is required for the internal NVMe drives	RAID Controller for Management Nodes on HCI is not required. Bidder has to provide HCI Software licences for these nodes.
148	165	GPU Nodes - Point 1	GPU Nodes - Point 1 Rack Should be supplied with OEM Rack	The proposed server does not require any specialized rack to be deployed. The proposed server can be deployed within industry standard 19" rack. We request Bank to modify this clause to "Should be supplied with industry standard Rack"	Should be supplied with industry standard Rack"
149	166	GPU Nodes - Point 12	GPU Nodes - Point 12 Power Supply Redundant Power Supply with C13-C14 cables	Since the GPU nodes have a higher power draw, Hence , We request Bank to modify this clause to "Redundant Power Supply with C13-C14 or C19-C20 power cables"	Redundant Power Supply with C13-C14 or C19-C20 power cables with compatible power stripes/PDU

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150	169	, No. 10	TOR (10/25G Fibre) Switch Specification The switch should support 500k IPv4 LPM routes	Change to: The switch should support 160k IPv4 and 65K IPv6 routes Justification: IPv6 routes not mentioned, which is also needed. In a DC - particularly on TOR switches, more MAC addresses are needed than number of routes	No changes
151	169	No. 11	TOR (10/25G Fibre) Switch Specification The line card proposed in the Switch should have minimum 0.7MB packet buffer per port	Change to: The Switch should have minimum 32MB packet buffer. Justification: All ports in a switch have a shared buffer. This helps when one port is sending / receiving more traffic than others. Having per-port buffer degrades the performance, if other ports are not sending traffic while 1-2 ports are sending more traffic. Moreover, as the ask is for fixed 1RU box switch, it doesn't have a line card	No changes

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152	169	No. 12	TOR (10/25G Fibre) Switch Specification The switch should support 16k multicast routes	Change to: The switch should support 8k multicast routes Justification: DC-switches primarily deal with unicast traffic. The solution can also be achieved by running IGMP-snooping in the overlay and let the router take care of multicast routing with even larger numbers.	No changes
153	169	No. 18	TOR (10/25G Fibre) Switch Specification Switch should support minimum 64K no. of MAC addresses	Change to: Switch should support minimum 224K no. of MAC addresses Justification: Higher number of MACs are needed in a DC environment due to the number of hosts and VMs. A single default route can be advertised by upstream device on IPv4/IPv6 for which lower number of routes are adequate	No changes
154	169	No. 25	TOR (10/25G Fibre) Switch Specification Switch should support MPLS segment routing and VRF route leaking functionality from day 1	Change to: Switch should support MPLS segment routing and VRF route leaking functionality from day 1 Justification: MPLS segment routing is needed in service	No changes

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				provider environment and not applicable or not useful in DC as it creates a lot of overhead	
155	169	No. 27	TOR (10/25G Fibre) Switch Specification PIM-SM (RFC 4601)	<p>Change to: PIM-SM (RFC 4601) / PIM-SSM (RFC 3569).</p> <p>Justification: PIM-SSM is more secure than PIM-SM. As mentioned above for multicast route, it is much less resource intensive by running IGMP on all switches in overlay, instead of running Mcast routing on all ToR switches</p>	No changes
156	169	No. 29	TOR (10/25G Fibre) Switch Specification Support Multicast Source Discovery Protocol (MSDP) (RFC 3618)	<p>Change to: Support Multicast Source Discovery Protocol (MSDP) (RFC 3618)</p> <p>Justification: MSDP is needed in service provider environment for RP-discovery across different ASes.</p>	No changes

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157	169	No. 43	TOR (10/25G Fibre) Switch Specification Switch platform should support MAC Sec (802.1AE) in hardware	Change to: Switch platform should support MAC Sec (802.1AE) in hardware Justification: MACSec is needed when there is a Layer 2 or Layer 3 connectivity over different DCs across different regions and traffic is going through a service provider and there is no firewall in between	No Changes
158	169	No. 48	TOR (10/25G Fibre) Switch Specification Telnet	Change to: Telnet Justification: Telnet is unsecure protocol and it is always disabled by security team. Therefore, there is no need of having this feature, if it will be never used.	Even though it is unsecure protocol those feature will be used as "last mile support option" in the event of any critical troubleshooting.
159	12	1.2.3 Applications at DC and DRC	1.2.3.1 Internal Private Cloud Infrastructure The bidder is required to co-ordinate with Bank's existing System Integrator for migration of data from the existing server hardware to new server hardware at DC and DRC.	Kindly confirm the existing infrastructure details to assess compatibility for integration with the new virtualization hardware.	The solution are on VMware, Nutanix and Bare Metal on x86 Platform.

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160	12	1.2.3 Applications at DC and DRC	1.2.3.1 Internal Private Cloud Infrastructure The bidder has to migrate the existing VM clusters / Bare Metal Servers (OS, Application and Data) from the current VMware and Nutanix environment to the proposed new solution. The bidder has to migrate the existing Windows and Linux VMs as required by the Bank to the proposed new solution.	Kindly confirm the number of VMs in the DC and DRC, including the count of database VMs and application VMs. Please also specify the database types (such as Oracle, MS SQL, etc.) and the approximate existing database and application data sizes. Additionally, confirm whether any database or OS upgrades are required during migration, or if the migration will be a lift-and-shift approach.	The Databases are of Oracle MS SQL, Postgres etc. with Clustered, Standalone and RAC configuration. Further details will be shared with the successful Bidder
161	23	1.2.9 RFP In-Scope Activity Set	1.3.1 Facilities Management Services – Scope of Work Successful Bidder is required to provide support from OEM Certified L2 Engineer for Hardware, Software, Network Devices, Operating System, HCI, Kubernetes & AI/ML Application Software, during the tenure of the contract	Please confirm the number of FMS engineers deployed at the DC and DR locations, their respective shift timings, and the required qualifications and experience.	Required Details are available in the RFP Document and Commercial Bill of Material "FMS" and should be available 24/7.
162	26	1.4 General Responsibility of the Bidder	Delivery, Installation and Maintenance 14) The bidder is required to co-ordinate with Bank's existing System Integrator for implementation of OS on server hardware, VM creation, migration of data at DC & DRC	Kindly confirm the approximate number of VM creations and whether guest OS licenses (Linux and Windows) will be provided by the bank.	The License details are available in the Commercial Bill of Material

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163	26	1.4 General Responsibility of the Bidder	Delivery, Installation and Maintenance 14) The bidder is required to co-ordinate with Bank's existing System Integrator for implementation of OS on server hardware, VM creation, migration of data at DC & DRC	Please provide the approximate sizes of the database and application components. Additionally, confirm the number of RAC and non-RAC database VMs, or whether all VMs are application VMs	The Databases are of Oracle MS SQL, Postgres etc. with Clustered, Standalone and RAC configuration. Further details will be shared with the successful Bidder
164	26	1.4 General Responsibility of the Bidder	Delivery, Installation and Maintenance The selected bidder shall own the responsibility to demonstrate that the product offered are as per the specification /performance stipulated the RFP and as committed by the bidder either at site or in bidder's work site without any extra cost to Bank.	Kindly confirm whether the product specifications and performance demonstration can be carried out on the supplied hardware, or if any specific demo servers need to be brought in to demonstrate the product.	The selected bidder shall own the responsibility to demonstrate that the product offered are as per the specification /performance stipulated in the RFP and as committed by the bidder either at site or in bidder's work site without any extra cost to Bank.
165	19		1.2.5 Audit Trail Requirement All logs in case of Standard Workload hosted on premise/ cloud should be integrated with Bank's/ SOC/SIEM/SOAR.	Kindly confirm whether the audit trail data is required to be stored in the cloud or on-premises. Please also confirm whether sufficient storage space will be allocated by the bank in case of cloud deployment, or if it should be allocated from the new on-premises hardware	All the Solutions quoted should be On- Premise Solution

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166	16	1.2.3 Applications at DC and DRC	1.2.3.4 FIDO2 PASSWORDLESS AUTHENTICATION Bidder has to supply, design, deploy, configure, re-configure End-to-End, operationalize and manage a Password less Authentication solution by implementing FIDO2 compliant with physical Tokens. The solution should have Phishing-resistant authentication	Kindly confirm whether the FIDO2 solution is already running at the bank and requires renewal, or if this is a new solution to be supplied and designed for the bank. Please also confirm whether the solution is to be deployed on new hardware or existing hardware.	It would be new Solution. The Bidder has to supply and Configure all Components for making the Solution live in the Bank.
167	16	1.2.3 Applications at DC and DRC	1.2.3.3 Scope of GPU Server and AI 18) Provide dedicated certified resources for onsite support for a specified period.	Please confirm whether a dedicated FM engineer is required to be deployed for AI support, or if the existing platform FMS engineers are expected to have the skills to manage the AI solutions	Bidder has to provide OEM Certified FM Engineer for the AI Solution Management
168	10	1.2.3 Applications at DC and DRC	1.2.3.1 Internal Private Cloud Infrastructure 1.2.3.2 Scope of Kubernetes Solution 1.2.3.3 Scope of GPU Server and AI	The kubernetes, Virtualization and GPU server with AI all come under single solutions or its can be 2 to 3 solution hardwares.	It can be different Solutions
169	37,38	7.2.5 Audit Trail Requirement	Audit logs reporting & analysis tool: Solution should be able to capture and display all events (either in sequence or by event type) in a simple, intuitive interface to understand the contributing events to an infection during the contract period of 5 years.	Please clarify on the audit logs reporting tool to be considered. What are the components to be considered for the log collection. Requesting bank to explain this point of audit log trail in detail.	Log reporting tool is expected to have feature of management, analytics and retention of logs.

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170				Requesting bank to accept the Hypervisor, SDS & Management tool for private cloud from single OEM	The Software Solution for the Private Cloud on HCI Nodes should be from Same OEM
171	186	FMS RESOURCES	L2 (DC) OEM Certified Engineer	Please advise if this is going to be a OEM resource or not. Ideally it should an L3 resource who can manage the day 2 operations effectively	OEM Certified Engineer on the Payroll of Bidder for the Solution
172	22	7.1 Scope Summary	36- All necessary Racks, Power strips, Power cables, Network cables, Fibre cables and any other components required for successful implementation of the solution are to be supplied and commissioned by the Successful Bidder at no additional cost to the Bank.	Please confirm required power supply up rack, space and cable tray in both the data centre will be provided by the CBI	Space, Power supply and Cable Tray will be provided by Bank
173	32 & 167	TOR Switch & Management switches	47. The TOR Switch OEM has to configure spanning tree as per Bank recommendation during the Contract Period.	Please confirm that all the required populated port at core/spine switches to connect proposed TOR and management switches will be provided by CBI	The Bidder has to provide the TOR and Management switches as per Bill of Material. Bank will provide the Uplinks. Bidder has to do all the required Cabling.
174	35	7.2.4 Warranty & AMC/ATS for Hardware and Software Items	6- During the contract period Bank reserves the right to shift the equipment to a suitable location depending upon the need. The Bidder will arrange to uninstall, shift the equipment, re-install, configure and commission the same at the shifted location and making the entire system operational without any additional cost to Bank, however, Bank will bear the transportation charges and transit insurance.	We request one or two shifting arrangement may be included as part of commercial and new location infra and readiness will be provided by CBI	No Change

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175	82		<p>Adherence to Cyber Security Policy</p> <p>1) Vendors are responsible for complying with the security standards or desired security aspects of all the ICT resources in line with regulatory guidelines from time to time as well as Bank's IT/Information Security / Cyber Security Policy guidelines. Such guidelines will be shared with Vendor.</p> <p>2) Vendor should ensure Data Security and protection of facilities/application managed by them. The deputed persons should be aware about Bank's IT/IS/Cyber security policy guidelines and have to maintain the utmost secrecy & confidentiality of the Bank's data including process performed. At any time, if it comes to the notice of the Bank that data has been compromised/disclosed/misused/misappropriated then Bank would take suitable action as deemed fit and selected vendor would be required to fully compensate the Bank of loss incurred by the Bank.</p> <p>3) Vendor has to agree and provide undertaking not to disclose any Bank information and will maintain confidentiality of Bank information as per policy of the Bank and will sign "Non-Disclosure Agreement" document provided by Bank.</p> <p>4) The Service provider shall put in place necessary controls within its organization for</p>	Will request CBI team also to support on existing policies to achieve it together	No Change

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			maintaining confidentiality of the Bank's and its customer's data.		

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176	167	Management software for computer hardware	27- The management software should have an intelligent recommendation engine to analyse current hardware type, firmware installed, OS type and installed drivers, and automatically compare to the certified HCL (Hardware Compatibility List) and alert if there are any incompatibilities or issues.	Please confirm any existing management software is in place, if yes make & model. Also confirm that required resources for management platform is factored in asked hardware or bidder has to factor separately or CBI will provide the same Also confirmed that has to be designed in HA mode at both the DC centre or it will be one at DC and second in DR	Bidder has to provide all the Software and Hardware for making the System operational in the Bank.
177		Technical queries		Please confirm whether the existing application(s) are compatible with a virtualized platform.	Existing application(s) are compatible with a virtualized platform.
178		Tech Scope of work		Please confirm whether the current operating system(s) are compatible with a virtualized environment. Kindly share the Legacy OS versions and support status.	Details will be shared with the successful Bidder
179		Tech HCI Nodes		Please clarify whether any application is currently hosted on third-party cluster software or proprietary hardware platforms. If yes, kindly provide details.	Details will be shared with the successful Bidder

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180		Tech HCI Nodes		Please clarify the current database architecture: standalone or clustered. Also share database type/version and number of CPU cores allocated to each database server.	The Databases are of Oracle MS SQL, Postgres etc. with Clustered, Standalone and RAC configuration. Further details will be shared with the successful Bidder
181		Tech HCI Nodes		Please confirm whether the existing database servers will be migrated to the proposed infrastructure or new database servers will be provisioned. If new, kindly specify database type/version and required number of CPU cores.	The Databases are of Oracle MS SQL, Postgres etc. with Clustered, Standalone and RAC configuration. Further details will be shared with the successful Bidder
182		Tech HCI Nodes		Please provide the total number of VMware virtual machines and physical servers that are in scope for migration to the new virtual infrastructure.	The estimated count of Virtualised and physical Servers which is needed to be migrated is 250.
183		Tech Scope of work		Please clarify whether the DR site is a greenfield deployment or needs to be integrated with the existing infrastructure. If greenfield, kindly confirm whether firewall provisioning should be considered in scope.	Needs to be integrated with the existing DR infrastructure in Hyderabad.

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184		Tech Scope of work		Please confirm the scope of responsibility for application software. Our understanding is that the bidder will provide Hypervisor, Management, Operations, Automation, and DR solutions, and Guest OS. Application software will be provided and managed by the Bank/application teams. Kindly confirm or clarify.	All responsibility will be of Successful Bidder. Application software will be provided and managed by the Bank.
185		Tech Scope of work		Please provide the required RPO and RTO values for all in-scope modules and applications.	RPO - ASYNC Replication RTO - 30 Minutes to 2 Hours
186		Tech HCI Nodes		Currently, only the total number of servers is mentioned in the RFP. Kindly provide detailed CPU core count, memory (RAM), and storage requirements (usable and raw) for each server or in aggregate, as this information is essential for correct infrastructure sizing, performance assurance, and commercial estimation.	Kindly refer Commercial bill of quantity and Technical Specification in the RFP Document.

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187		EOL / Upgrade Obligations 3.1		Will forced OEM roadmap changes be treated as change requests if outside bidder control?	Bidder should ensure that proposed hardware and software components should not go end-of-life or end-of-support within 7 years of date of delivery of the device/s, the same responsibility shall so survive even after termination or expiry of the contract and the Successful Bidder to provide any and all kind of updates and upgrades for the in scope components without any cost to the Bank.
188		EOL /	Upgrade Obligations 3.2	Are CUDA, AI frameworks, and GPU drivers considered part of free upgrades throughout 5 years?	YES
189		Migration 4.1		What are Bank and existing SI responsibilities during migration failures or delays?	Internal delays will be addressed according to responsibilities
190		Security & Compliance 7.1		Expected frequency of VAPT, audits, and DR drills per year?	DR Drill - Quarterly Audit - Internal audit twice a year and RBI audit is yearly. VAPT - With respect to new deployments of application and it is one time activity
191			Licensing & Third-Party Tools 8.1	Clarify what constitutes "unlimited" (VMs, nodes, cores, clusters).	The replication and DR orchestration licenses provided must be 250 VM based

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192	NA	General	High Availability	Clarify the expected RPO/RTO for DC-DR switchover	RPO - ASYNC Replication RTO - 30 Minutes to 2 Hours
193	176		Migration Cost for Virtualised Server	Please provide details virtualized server and 250 quantity. Please specify virtualized platform to and from	From VMware, Nutanix and Bare Metal Server to the in scope setup
194	34	7.2.3.4	FIDO2 PASSWORDLESS AUTHENTICATION	Number of Users and number of tokens required	The Users and number of Tokens required is 200.
195	34	7.2.3.4	FIDO2 PASSWORDLESS AUTHENTICATION	This is only required for bank employees or third party vendors	For Both
196	34	7.2.3.4	FIDO2 PASSWORDLESS AUTHENTICATION	Which applications and authentication protocols are in scope	Please be guided by the FIDO Technical Specifications "Standards & Certification".
197		General	Token Specifications	Please confirm if the Bank has any preference for form factors or specific FIDO-certified OEMs	Type A and the Hardware Token should be FIDO Certified
198		General	Security & Compliance Requirements	Please confirm any mandatory compliance frameworks that the solution must adhere to	It has to comply with FIDO2 RBI and other Regulatory Authority Guidelines
199		General	Token Replacement Policy	Does the Bank expect the bidder to maintain replacement stock / buffer stock of FIDO2 tokens?	The bidder has to maintain the stock for any faulty Hardware token replacement

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200		Commercial BoQ		Addition of point In the Bill of Quantity	HCI Management software License if required in the Solution should be quoted in the Bill of Material. Additional rows may be added in the Bill of Material for the same.
201		Mandatory Documents			Bidder should submit the MAF, Mandatorily as per the format in their Bid. All other Technical Annexures and respective statutory/ Annexures/ technical Compliance etc., Documents has to be submitted while submitting the bid or it will be liable for rejection.

*****End*****