



Request for Proposal (RFP)

Supply, Installation, Commissioning and Training of High-Performance CPU Based Cluster

CAFRAL No. 00191/10.14.001/2025-26

Date: December 11, 2025

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Abbreviations

AMC	Annual Maintenance Contract
ATS	Annual Technical Support
BU	Business Utility
CAFRAL	Centre for Advanced Financial Research and Learning
CPI	Consumer Price Index
CTR	Complete Test Run
EMD	Earnest Money Deposit
HPC	High-Performance Computing
OEM	Original Equipment Manufacturer
OTC	One Time Cost
PFS	Parallel File Storage
PBG	Performance Bank Guarantee
RC	Recurring Cost
RCA	Root Cause Analysis
RFP	Request for Proposal
SP	Service Provider
SLA	Service Level Agreement
SBOH	Scheduled Business Operation Hours
SBDT	Scheduled Business Downtime
SOW	Scope of work
TiB	Tebibyte
TTR	Time to Recovery
WPI	Wholesale Price Index

A. BID SCHEDULE

Sr. No.	Request for Proposal (RFP) - CAFRAL/00191/10.14.001/2025-26	
1	Date of issuing of RFP	December 11, 2025
2	Last date Submission of Pre-Bid queries and email	December 16, 2025 admin@cafral.org.in
4	Date, Time & Venue of Pre-Bid Meeting.	December 18, 2025 2:30 pm Centre for Advanced Financial Research and Learning (CAFRAL), Reserve Bank of India, C8 Building, 8th floor, Bandra - Kurla Complex, Bandra (East), Mumbai - 400 051. Phone: 022- 26571030/1016
3	Date of publication of Addendum/ corrigendum to the RFP, if any	December 19, 2025 4:00 pm
5	Last date and time of submission of Technical and Commercial Bid	January 7, 2026 3:00 pm
6	Cost of the Bid	Nil
7	Place & Address for submission of Technical and Commercial bid.	Centre for Advanced Financial Research and Learning (CAFRAL), Reserve Bank of India, C8 Building, 8th floor, Bandra - Kurla Complex, Bandra (East), Mumbai - 400 051. Phone: 022-68970601-02.
8	Date, Time & Venue of opening of Technical Bid	January 7, 2026 4:00 pm
9	Date, Time & Venue of presentation as a part of technical evaluation	To be advised to the shortlisted/qualified Bidders.
10	Date of opening of commercial bids	To be advised to the shortlisted/qualified Bidders.
11	Communication address	The Director, Centre for Advanced Financial Research and Learning (CAFRAL), Reserve Bank of India, C8 Building, 8th floor, Bandra - Kurla Complex,

		Bandra (East), Mumbai - 400 051. Phone: 022-68970601-02.
12	Contact Officials	Smt. Sunita S Ratanpal Chief Administrative Officer Sunita.ratanpal@cafral.org.in 022 6897 0604 10:30 AM to 5:00 PM

For any queries and clarifications regarding the RFP, please use the above-mentioned address or email id.

- Please note that the information desired in the bid document needs to be provided in full. Incomplete information may lead to rejection of the bid.
- The CAFRAL reserves the right to change the dates mentioned in this RFP, which will be communicated through its website www.cafral.org.in.

Disclaimer

- The information contained in this RFP document or any information provided subsequently to the bidder(s) whether verbally or in documentary form by or on behalf of the CAFRAL, is provided under 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. The purpose of this RFP is to provide the bidder(s) with information to assist them in the formulation of their proposals. This RFP does not claim to contain all the information each bidder may require. Each bidder should conduct his own investigation and analysis and should check the accuracy, reliability and completeness of the information in this RFP and obtain independent advice wherever necessary. The CAFRAL makes no representation and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RFP.
- The CAFRAL may, in its absolute discretion, but without being under any obligation to do so, update/ amend and/or supplement the information in this RFP. Such updation/amendments and/or supplement to this RFP will be done only on the CAFRAL website.
- No contractual obligation whatsoever shall arise from the RFP process until a

formal contract is executed by the duly authorised signatory of the CAFRAL and the selected service provider. Further, selection of any bidder shall not prejudice the CAFRAL's right to avail the services from any other service providers.

B. INTRODUCTION, PURPOSE AND INVITATION

The Centre for Advanced Financial Research and Learning (CAFRAL) is an independent body set up by the Reserve Bank of India (RBI) in the backdrop of India's evolving role in the global economy, in the financial services sector and its position in various international fora. CAFRAL seeks to develop into a world class global institution for research and learning in banking and finance.

The Governor of RBI is the Chairman of the Governing Council of CAFRAL. CAFRAL's learning arm is engaged in conducting seminars, conferences and other learning programs that serve as a platform for exchange of high-level policy dialogues between the various stakeholders by bringing together regulators, policy makers, bankers, academicians, researchers and practitioners. It also conducts advanced programs for enhancing professional capabilities of senior executives in the financial sector. CAFRAL's research focus is on the areas of banking and finance. Within these broad areas, our interests include financial institutions, financial markets, behavioral finance, corporate finance, household finance and related areas of macro-finance such as monetary economics or international finance. CAFRAL aims to build intellectual capacity in these areas through its own staff, by hosting researchers of international repute and facilitating collaborative research by building data resources and analytical capabilities.

For further details on CAFRAL, please visit its website: www.cafral.org.in

CAFRAL intends to select competent Bidder / Service Provider (SP) for **Supply, Installation, Commissioning, support and Training of High-Performance CPU Based Cluster**.

The selected Bidder will be entrusted with end-to-end responsibility of Supply, Installation, Commissioning and Training of High-Performance CPU Based Cluster (HPC) and support (Hardware and Software). A High-Performance Computing (HPC) CPU based Cluster with total 640 Cores, 5 TB of memory, 75TiB of Usable Storage from a High-Performance Parallel File Storage (PFS) of 40 GB Read/Write Speed along with commercial Licensed Cluster Manager Software, 42U Server Rack & rack

PDUs and the necessary switches with network cables. Bidder will also take care of the application installation, upgradation and support for MATLAB, STATA, Julia, Fortran, etc. in the set up

I. Technical Specification

A. Master Node – 1 Qty.

S.N.	Components	Technical Description
1	CPU	2x Intel Xeon 6517P 16C/32T 3.2GHz 72MB 190W – (Total 32 Cores) – Require with Latest Chipset Support
2	Memory	Required minimum memory 256GB 5600MHz
3	Storage	2x 1.9Tb SSD with RAID card supporting 2GB Flash. 8X2.5" Drive Bays
4	Networking Adapter	Single port 200G NDR InfiniBand Adapter, Quad port 1G RJ45 adapter
5	PCIe Slots	Server should support up to 5 x PCIe slots
6	Ports	1 x VGA port, 4 x USB 3.0 or better G1, 1 x RJ45 for management
7	Power supply	Redundant Hot swap power supplies
8	Fan	Redundant (N+1) hot swap fans
9	Form Factor	Maximum 2U
10	Diagnostics	The System should have health LED or equivalent
11	Security	TPM 2.0 with secure boot NIST 800-131A or FIPS 140-2 compliant cryptographic standards
12	System management	It should monitor all vital components of systems and trigger alerts. Service data can be saved to USB keys or remote CIFS for troubleshooting. It should be able to boot video capture and crash video capture Mounting remote ISO image via HTTP, SFTP, CIFS, NFS SNMP 3.0 System management with all available features including all required license
13	Warranty	5 years on-site warranty with advanced replacement of parts.

B. Compute Nodes: Qty 10

S.N.	Components	Technical Description
1	CPU	2x Intel Xeon 6737P 32C/24T 2.9GHz 144MB 270W (Total 64 Cores) – Require with Latest Chipset Support
2	Memory	512GB 5600 MHz with all memory channel populated
5	Storage	2 x 960GB NVMe SSD drive with RAID1
6	Networking Adapter	Single port 200G NDR InfiniBand Adapter, Quad port 1G RJ45 adapter
7	PCIe Slots	2 x PCIe x16 slots
8	Ports	1 x VGA port, 1 x USB and 1 x 1G RJ45 port for management

9	Power supply	Redundant Hot swap power supplies – Require 1200W PS
11	Form Factor	1U/2U
12	Diagnostics	'The System should have health LED or equivalent
13	Security	TPM 2.0 with secure boot
14	System management	Embedded, in-depth server-level monitoring and management technology offering system management, service alerting, reporting and remote management including remote console and virtual media mount
16	Warranty	5 years onsite warranty with advanced replacement of parts

C. Primary interconnect infinity switch (Qty.- 1)

S.N.	Components	Technical Description
1	InfiniBand Switch	64 ports NDR InfiniBand Managed Switch MQM9700-NS2F,
2	Power supply	Redundant Power supply
3	InfiniBand Cables	Requisite InfiniBand cables with 1 spare cables of maximum supplied length
4	Warranty	5 Years onsite warranty with Critical support back-to-back from OEM.

D. Secondary Interconnect - Ethernet Switch (Qty 2)

S.N.	Components	Technical Description
1	Ethernet Switch	48 Port 1G Ethernet Switch with 4 Port 10G Uplink -24port
2	Power supply	Redundant Power supply
3	Cables	3 Mtr Cables to connect all the nodes.
4	Warranty	5 Years onsite warranty and support back-to-back with OEM.

E. Storage requirement

75 TiB Storage: Technical Description		
1	Controller	Dual active-active controller with battery backed mirrored cache. This is to protect data on the cache in case of system shutdown.
2	Cache Memory	Minimum of 32GB per controller
3	Storage capacity 75TiB Usable with NVMe Drive	Parallel File System OEM supported Spectrum Scale/OEM Provide support to Lustre filesystem/high-performance, open-source parallel file system
4	Performance	Performance: The solution shall provide a minimum bandwidth performance of at least 40 GB/second write and 40 GB/s read and demonstrate with IOR benchmarks for the same. Failing to which 3 times of drives will need

		to be provided by bidder/OEM to meet that performance.
6	Protocol Support	The solution must be POSIX compliant and support NFS, SMB, S3 protocols and GPU Direct storage (GDS)
7	Benchmarks	Bidder should submit the FIO/ IOR / IOZONE benchmark for write and read performance with 1MB or higher transfer size on the same building (with DIRECT IO) block for NVMe tier as quoted in their offer for this RFP. Storage solution must deliver parallel filesystem metadata performance of minimum 40,000 files creates/sec. Bidders to submit output of IOR/IOZONE and MDTEST along with the technical offer. Bidder (OEM) should run the benchmark on minimum 8 Nodes PFS clients.
8	Reliability	No Single point of Failure design
9	Storage Port	4xHDR 200G
10	Power supply	Redundant Hot swap power supplies
11	Warranty	5 years onsite warranty with advanced replacement of parts. Entire PFS Solution should be from one single OEM including hardware and Software. All level of support should come from same single storage OEM quoted for this RFP.

F. Software requirement (Server Management Software, Server Security Features and Cluster Management Software)

S.N.	Components	Technical Description
Server Management Software		
1	Operating System	Latest Linux version as per application requirement. Periodic patch management.
2	Development tool	The solution must provide access to an OEM-supplied curated container repository optimized for HPC workloads, including ready-to-run containers for MXNet, cuDNN, Caffe, and PyTorch. The repository shall receive regular updates and upgrades throughout the warranty period, with licenses issued in the name of CAFRAL.
3	Real Time Monitoring and Analytics	Server health management with real-time subcomponent monitoring, error detection, proactive health management, and server firmware synchronization to ensure performance and stability of a system.
		• Monitor server and sub-component health in real time and act on alerts
		• Health status of critical components like Processors, Memory, Storage, Networking, and other parameters such as system cooling, temperature etc., blink LED to identify server
		• Comprehensive Inventory Management
		• Enhanced Capacity Planning

		• Automatic Under-utilized Server Identification by analysing historical utilization and power data • Data Center Layout Management by power budget enforcement, power capping etc. • Predictive detection of unhealthy devices in Servers (Processor, MBD, Memory, Fan, Power Supply, Storage, Voltage / Sensor Reading) (of multiple components) with alerts, anomaly detection, Server failure Indication and alerts. • Telemetry data for analytics
	Cluster Manager Software	
1	Cluster Manager Software	Hardware OEM supplied and supported Cluster manager. Unified system management/monitoring toolset for configuration, diagnosis and management of the system. Toolset/Manager must be capable of supporting package and image-based provisioning, intuitive web interface for managing and customize the node and tool set with provisioning, monitoring and reporting capabilities. Should support Disk based or diskless installation. Should be able to check cluster health. Should be able to discover new node for scalability Should be able to provide server view in rack with GUI with system utilization report
2	Job scheduler	Hardware OEM supplied and supported Cluster manager with JOB scheduling capabilities on single node and multiple nodes for CLI and GUI based end user applications. Should support QoS Allocates access to resources Provides a framework to run and monitor jobs on allocated nodes Manages a job queue for competing resource requests

G. Miscellaneous:

Server Management	Server management software with required license.
	Dedicated 1 Gbps Ethernet or better management port for remote monitoring, provisioning and management of the host system
	Security feature - Root of Trust is firmware technology that integrates security directly into the hardware level of servers.
42 U Rack	Two 42U Rack (800mm x 1200) with PDUs as per solution requirement

Note: - The above is the tentative BOM as required. If there is any additional component required for the solutions to work (including any licenses, H/W, S/W,

cables, transceivers etc. has to be taken care by the bidder.) **CAFRAL will not be bearing any extra cost for any additional item required at the time of installation. CAFRAL reserve the rights to add/remove above component from the overall solution if required.**

We accept open-source OS and tools if any provided the same should be stable, supported, and shall meet all functional and performance requirements outlined in the tender for the HPC environment. The overall responsibility for solution compatibility and support shall rest with the OEM.

C. PERIOD OF SERVICE

The selected Bidder will be entrusted with end-to-end responsibility of Supply, Installation, Commissioning and Training of High-Performance CPU Based Cluster and support (Hardware and mentioned Software) and warranty for the period for Five (05) years and further Comprehensive AMC contract for two (02) years. The terms and conditions of the contract will remain unchanged throughout the contract period.

D. SCOPE OF WORK

1. Bidder shall provide a comprehensive warranty and on-site free service warranty for 5 years from the date of Go Live for all Equipment.
2. Bidder shall obtain the 5 years product warranty and 5 years onsite free service warranty from OEM on all licensed software, hardware and peripherals, networking equipment and other equipment for providing warranty support.
3. Bidder would be responsible to rack-stack-install the new hardware and software as per user requirement. Bidder should successfully install and integrate all the components provided as part of these solution proposals.
4. Post successful installation, Bidder will provide admin level training to designated CAFRAL IT team and user level training to the Research team. It must be noted that submission of complete documentation is an important part of project sign-off; the documentation must be prepared in such a way that CAFRAL can reinstall everything from scratch without the bidder's help as and when necessary.
5. Bidder will deploy their competent executive resident (9:30 AM to 6:30 PM) at CAFRAL premises.
6. Periodic preventive maintenance of all the systems should be done once in a quarter (3 months) which would include the below, not limited to:
 - a. Regular Health Checkups of the server

- b. Patch updates on requirement basis
 - c. Escalate issues to respective teams
 - d. Making sure all the versions of Firmware, OS and software are updated, unless specified otherwise by CAFRAL.
 - e. All costs related to the preventive and corrective maintenance, shall be borne by the bidder during the period of support & maintenance contract. Spare parts / equipment, tools, lubricants, cleaning kits, drives, disks, other hardware parts, service personnel etc., required to repair or replace the faulty equipment shall be arranged by the bidder
7. Bidder will be responsible for applying firmware/system software/security patches. While applying firmware patches, impact on application software needs to be considered. Bidder need to prepare an Impact analysis report and approved by CAFRAL team before applying any firmware patches. Bidder need to rectify if there is any impact post applying the patches.
8. Software License Management. The Bidder shall provide software license management and control. Bidder shall maintain data regarding entitlement for software upgrades, enhancements, refreshes, replacements, and maintenance.
9. Bidder shall have complete manufacturer's technical support for all the licensed software problems and/or questions, technical guidance, defect and non-defect related issues. Bidder shall provide a single-point-of-contact for software support and provide licensed software support including but not limited to problem tracking, problem source identification, problem impact (severity) determination, bypass and recovery support, problem resolution, and management reporting
10. The Bidder would be responsible for arrangements with Manufacturer for all the technical support which shall at a minimum include but not limiting to online technical support and telephone support during the business hours with access for Bidder to the manufacturer's technical support staff to provide a maximum of 4 hours response turnaround time. There should not be any limits on the number of incidents reported to the manufacturer by Bidder as part of provisioning of support services. Bidder shall have access to the online support and tools provided by the manufacturer as well as should have 24x7 access to a variety of technical resources including the manufacturer's knowledge base with complete collections of technical articles.
11. Keep the uptime for the servers at 99.5%; in order to meet the said uptime from

hardware perspective, adequate numbers of motherboards, Memory module, SSD Drives, SMPS, C13/C14 Power cables, CMOS battery, cards if any, IB Switch components etc. should be in stock at the nearest service center as deemed suitable by the bidder. Only original OEM spare parts must be used for its hardware Also, faulty NVMe/SSD disks (server/storage/SLB etc.) should be retained with CAFRAL even after replacement, to ensure data security

12. Re-installation and re-configuration of server in the event of any OS level corruption, or any such similar incidents.
13. CAFRAL will not provide any tools and devices like laptop, cables, testing equipment etc. The bidder shall bring all the required tools and devices and no extra cost will be borne by CAFRAL.
14. Any damage to movable / immovable property while carrying out the installation/delivery/maintenance shall be rectified by the bidder, at its own cost, in a manner acceptable to CAFRAL and the site must be handed back in neat and clean condition to the satisfaction of CAFRAL.
15. The Bidder must provide a complaint resolution portal or a central email address and phone number to lodge complaints and thereafter issue complaint/docket number.
16. In case of continued non-performance and inability to meet functional requirements, CAFRAL shall reserve the right to revise the SLA or penalty or both.
17. The bidder will be Accountable for any liability and safety of its engineers engaged by them for carrying out installation or maintenance work at site under this contract. CAFRAL will not be responsible for any injury/loss of life to the service engineers due to their negligence or incompetency.
18. The bidder cannot outsource or subcontract the work assigned/awarded to some third party/agency/people under any circumstances. If found so, then the order shall be deemed to be cancelled and the CAFRAL will impose a penalty for this violation. CAFRAL reserves the right for the decision of penalty amount.

E. Service Level Agreement:

CAFRAL intends to enter into a Service Level Agreement (SLA) with the successful Bidder in order to provide complete utility of the service that could be provided to CAFRAL under this RFP. The SLA shall be included in the contract agreement as mentioned in the document and identifies the expectations of CAFRAL and defines the Scope and Boundaries for the successful Bidder to provide maximum “Business

Utility". The purpose of this Service Level Requirements/Agreement (hereinafter referred to as SLA) is to clearly define the levels of service which shall be provided by the Bidder to CAFRAL for the duration of this contract period of the Project. This SLA provides for minimum level of services required as per contractual obligations based on performance indicators and measurements thereof. The Bidder shall ensure provisioning of all required services, while monitoring the performance of the same, to effectively comply with the performance levels mentioned in the RFP. The Bidder should provide SLA monitoring tool/system or adhere to SLA reports generated by CAFRAL manually or using their internal ticketing tool which will be used for monitoring SLA based on the SLA defined. The Bidder has to facilitate all the reports pertaining to SLA Review process. All the reports must be made available to CAFRAL, as and when the report is generated or as and when asked by CAFRAL. Timelines specified at Project Milestones shall form the Service Levels for delivery of Services specified there-in. The maximum limit on the penalties during the period of contract shall be 10% of the total contract value i.e. OTC. Definitions For purposes of SLA, the definitions and terms as specified along with the following terms shall have the meanings set forth below:

1. Service Levels are calculated based on the "Business Utility" of the solution, which is described as the ratio of "System Available for Actual Business Hours" to the "Scheduled System Availability for Business". Where BU = Business Utility, SBOH = Scheduled Business Operation Hours, SBDT = Business Downtime
2. During the "24x7 for a given time frame are calculated after deducting the planned downtime which can be taken on the system only with prior notice to CAFRAL and with mutual consent of CAFRAL and the successful Bidder.
3. "Business Downtime" is the actual duration for which the system was not able to service CAFRAL or the users of CAFRAL, due to System or Infrastructure failure as defined by CAFRAL and agreed by the Bidder. The "Business Downtime" would be calculated on daily basis and for all performance appraisals, the daily downtime would form part of core measurement for assessment/ escalation/ penalty, etc." CAFRAL expects, the Bidder should provide support 24x7 to provide the expected customer service as well as for statutory reporting. Any issue could be classified under the following four categories:

Level 1: The identified issue has a material business impact (Show Stopper) and needs to be resolved immediately. This level would typically correspond to issues that

result into disruption of Solution services to CAFRAL. It is expected that the Bidder provides an immediate solution/ work around for “Show Stopper” issues so that CAFRAL can continue to function normally and then register the issue on priority by conducting a “Root Cause Analysis”.

Level 2: The identified issue has a significant business impact and needs to be taken up on top priority. This level would typically correspond to issues that result into disruption of one or more critical services to the CAFRAL having an access.

SBOH - SBDT BU (%) = ----- x 100 SBOH

Level 3: The identified issue has normal impact on the Business and needs to be addressed at the earliest. This level would typically correspond to issues which result into disruption of one or more services to the CAFRAL having an access.

Level 4: The identified issue has almost no impact in terms of Business. However, issue needs the attention of the Bidder and shall be fixed on lesser priority.

Service level Requirements the Bidder is expected to take care of the systems/proposed solution by covering them under the contract period which in line with the OEM back-to-back support to meet the SLA commitments as below –

Table 1

Sr No.	Criticality	Response Time (Acknowledgement of the Problem)	Time to Recovery (TTR) / Resolution Time
1	Level 1	30 Mins	8 Hours 6 Hours (CTR)
2	Level 2	1 Hour	1 Working Day
3	Level 3	2 Hours	2 Working Days
4	Level 4	4 Hours	4 Working Days

Table 2

Sr No.	Item	CTR
1	Compute Application Servers	6 Hrs.
2	Enterprise Storage solution with associated Storage switch	6 Hrs.
3	Primary Network Switch	6 Hrs.

The TTR values given in the table 1, therefore, define the maximum acceptable downtime in the specified time and conditions. A failure that does not result into a level 1 or level 2 incident considered as level 3 and level 4, is still required to be resolved by the Bidder in the duration as mentioned in the above table. Service Degradation is a scenario where the service quality degrades for a continual period by more than 20% of expectation at any point (measured in terms of response time). The vendor should adhere to SLA as per the OEM Service Support Policy listed on their website.

Penalties

Business Utility and Business Downtime would be the key considerations for determining the “Penalties” that would be levied on the Bidder for “Non-Adherence” to the SLA for the Services offered. The inability of the Bidder to provide the requirements as per the scope or to meet the deadlines as specified would be treated as breach of contract and invoke the Penalty Clause. The applicable “Penalties” would be the same irrespective of the root causes as under:

Uptime (%)	Penalty (% of Agreement value i.e. OTC)	Description
99.99% or above	0%	No Penalty – Fully Compliant with SLA
99.90% - 99.98%	1%	Slight deviation from the agreed threshold – acceptable performance
99.80% - 99.89%	2%	Moderate impact on availability
99.70% - 99.79%	5%	Noticeable description – requires improvement
99.50% - 99.69%	7%	Significant failure to meet high availability targets.
Below 99.50%	10%	Critical Failure – requires urgent resolution and accountability

CAFERAL reserves the right to terminate the contract with bidder in case Uptime is below 95%.

F. Eligibility Criteria

The eligibility criteria are given in Annex A3

G. SUBMISSION OF BIDS

I. Instructions to bidders-

- a. Currency: Relevant price information and the rates should be quoted in Indian Rupees only, both in figures and words.
- b. Errors: Proposals shall be prepared in indelible ink. It shall contain no interlineations or overwriting. In case it becomes necessary for the bidder to correct errors made by him/her, such corrections must be authenticated by the persons or person who sign(s) the proposal.
- c. Authentication of documents: The authorised signatory should sign every page of the proposal.
- d. Document fees: The Request for Proposal (RFP) document fees shall be NIL.
- e. Two-part bids: Bidders shall submit their proposal in two separate envelopes:
 - (i) Part I or Technical Bid (ii) Part II or Price/Commercial Bid.
 - i. Part I/ Technical Bid (Envelope A) – The technical bid or envelope ‘A’ will comprise detailed information along with documents required to evidence the fulfilment of eligibility criteria and for technical evaluation, as per Annex A3 and Annex A4, but not the presentation which is the second part of the technical bid. Part 1 of the bid will be evaluated for 75 marks.
 - ii. Bidders who qualify as per the eligibility criteria will have to make a presentation (part 2 of the technical bid) of Technical approach, Implementation methodology, Understanding of Scope of work, Project Management methodology for Support & Maintenance, Innovation, SLA Compliance, etc. The presentation will be evaluated for 25 marks in the second part of the technical evaluation process. The date and time of the presentation will be intimated only to the shortlisted/qualified bidders.
 - iii. Please note that prices should not be indicated in Part I/ technical bid, the bid will be rejected if the price is mentioned even by oversight in the technical bid.
 - iv. Part II /Commercial Bid (Envelope B): Will contain the commercial part of the bid. Commercial Bid (Annex B1) shall contain price of BoM, Server Management Software, Cluster Management Software, installation/commissioning and training, five years compressive warranty

and two years AMC. Applicable taxes will be paid by bidder at actuals and should therefore, be excluded from the commercial bid). For commercial evaluation, total commercial bid furnished as per Annex B1 shall be considered. Bidders shall not make any changes in the commercial bid after it is submitted. No payment other than the costs mentioned in the bid furnished in Annex B1, except any change in applicable taxes after the date of submission of bids, shall be made to the selected bidder.

f. Contents of the two Envelopes (Checklist):

i. **Envelope ‘A’:** Should be superscribed **‘Technical Bid for the Supply, Installation, Commissioning and Training of High-Performance CPU Based Cluster’**.

Documents to be submitted -

- Certificate of incorporation.
- Last three years’ audited balance sheet and profit and loss statements
- Bid offer form (without price) – Annex A1
- Bidder information - Annex A2
- Eligibility Criteria Response Sheet – Annex A3 along with supporting documents as per the requirements of eligibility criteria matrix
- RFP document duly signed and sealed by the authorized signatory on every page
- Technical Evaluation Sheet – Annex A4 along with supporting documents as per the requirements of technical evaluation matrix
- Declaration of acceptance of Terms and Conditions – Annex A5
- Format for Undertaking – Annex A7

ii. **Envelope ‘B’:** Should be superscribed as **‘Commercial Bid for the Supply, Installation, Commissioning and Training of High-Performance CPU Based Cluster’** and should contain:

- Commercial Bid Form – Annex B1

g. The two parts should be in separate sealed envelopes, indicating the name and address of the bidder on the cover. Both the envelopes should be submitted by 03.00 pm on January 07, 2026 to The Director, Centre for Advanced Financial Research and Learning (CAFRAL), Reserve Bank of India, C8 Building, 8th floor, Bandra - Kurla Complex, Bandra (East), Mumbai - 400 051. Phone: 022-68970602/04.

- h. Bids received after the above stated time and date will not be considered.
- i. Bid should be complete in all respects including all the parts and should be submitted with all the relevant documents as specified in this proposal. Incomplete proposals will be rejected.
- j. Bid Validity - Bids shall remain valid for a period of six months after the last date of bid submission or as may be extended from time to time. CAFRAL holds the right to reject a bid valid for a period shorter than six months as non- responsive, without any correspondence.

II. Pre-Bid Meeting: To clarify doubts of the bidders on issues relating to this bid document, the CAFRAL will hold a pre-bid meeting at 02:30 pm on December 18, 2025. Queries of the bidders should be e-mailed in the format given in Annex D on or before December 16, 2025. It may be noted that no queries of any bidder shall be received or entertained after the pre-bid meeting. The clarifications given in the pre-bid meeting will be published on the CAFRAL's website.

III. Opening of Bids

a. Bids will be opened in 2 stages:

Stage 1 – Technical bid, i.e., envelope A will be opened.

Stage 2 – Commercial bids, i.e., envelope B of only the shortlisted bidders will be opened.

b. Opening of Technical Bids

- i. CAFRAL will open Envelope 'A' in the presence of bidders' representative(s) who choose to be present on the date, time and address mentioned in para A (Sr.no 7) or as amended by CAFRAL from time to time. In the event of the specified date of bid opening being declared a holiday for the CAFRAL, bids shall be opened at the appointed time and place on the next working day.
- ii. The representatives of the bidders will have to produce an authorisation letter from their employers by way of letter or email to represent them at the time of opening of technical bids.
- iii. Only one representative will be allowed to represent each bidder.
- iv. Bidders' representatives who are present shall sign the attendance sheet evidencing their attendance.
- v. The bids will be opened at the scheduled time, irrespective of whether the bidders' representatives are present or not, at the sole discretion of the

CAFRAL.

c. Opening of Commercial Bids

- i. Only those bidders who technically qualify, will be eligible for commercial evaluation. The date and time of opening of commercial bids (Envelope B) will be intimated only to the eligible bidders. In the event of the specified date of bid opening being declared a holiday for CAFRAL, the bids shall be opened at the appointed time and place on next working day.
- ii. The representatives of the bidders have to produce an authorization letter from their employers by way of letter or email to represent them at the time of opening of commercial bids.
- iii. Only one representative will be allowed to represent each bidder.
- iv. The bidders' representatives who are present shall sign the attendance sheet evidencing their attendance.
- v. The bids will be opened at the scheduled time, irrespective of whether the bidders' representatives are present or not, at the sole discretion of the CAFRAL.

H. Bid Evaluation Process

I. Examination of documents

Eligibility criteria

- a. At this stage, CAFRAL will examine the bids to determine whether they are complete, if the required information has been provided as outlined in the bid document, the documents have been properly signed, and if the bids are generally in order.
- b. CAFRAL will first scrutinize the documents requisitioned and listed in Annex A3 of this document to determine the eligibility of the bidders to participate further in the tendering process. Eligibility and compliance to all the forms and annexes would be the first level of evaluation.
- c. Bids not accompanied by all the required documents may be summarily rejected. Undertaking for subsequent submission of any of the eligibility documents will not be entertained. However, the CAFRAL reserves the right to seek fresh set of documents or seek clarifications on the already submitted documents.
- d. If a bid is not substantially responsive, it will be rejected by CAFRAL at this stage itself, and the bidder may not be allowed to make it responsive

subsequently by correction of the non-conformity.

- e. CAFRAL may, if required, interact with customer references submitted by the bidder.
- f. The application of only those bidders who fulfil the eligibility criteria will be taken up for further scrutiny.

Technical Evaluation

- a. Scoring will be based on the matrix given in Annex A4 (75 marks), that is, compliance to technical requirements stipulated in the RFP, duly supported by documentary evidence.

Written reply, if any, submitted in response to the clarification sought by CAFRAL, will be reviewed.

II. Presentation

- a. The bidders who qualify as per the eligibility criteria will have to make a presentation considering their Technical approach, Implementation methodology, Understanding of Scope of work, Project Management methodology for Support & Maintenance, Innovation, SLA Compliance, etc.
- b. The presentation will be of maximum 20 minutes. CAFRAL does not expect bidders to present their company profile in the presentation.
- c. The presentation will be evaluated for 25 marks in the second part of the technical evaluation process. The date and time of the presentation will be intimated to the shortlisted/qualified bidders separately.
- d. The total of the marks scored in the scoring matrix and presentation (out of 100) will be considered as the technical score of the Bidder.
- e. The commercial bids of only the technically qualified shortlisted bidders will be opened. The commercial bids of Bidders who do not qualify technically shall be kept unopened.
- f. CAFRAL shall indicate to all the Bidders the results of the Technical Evaluation through a written communication. The Technical Scores of the Bidders will be announced prior to the opening of the commercial bids

III. Opening and Evaluation of Commercial Bids:

- a. Commercial bids of only the technically qualified (scoring minimum 70 marks out of 100 for technical evaluation and presentation) short-listed bidders will be opened and evaluated.

- b. Commercial bid (Annex B1) shall contain the price of all the charges including Master/Compute Nodes, Switches, PFS storage, Server Management Software, Cluster Management Software, Installation, Commissioning, testing charges, Warranty and AMC etc. (applicable taxes will be paid at actuals and therefore, should be excluded from the commercial bid).
- c. Of all the commercial bids opened, the Bidder whose commercial bid is lowest (hereby referred to as L1 Bidder) will be considered eligible for Award of Contract.
- d. Bidder shall not make any changes in the commercial bid after it is submitted.
- e. No payment other than the costs mentioned in the bid furnished in Annex B shall be made to the selected Bidder.
- f. Errors - Where there is a discrepancy between the amounts in figures and in words, the amount in words shall be taken into account.
- g. Commercial bids should not have any alteration or overwriting. If any column in the commercial bid is found to be blank and not filled with any amount then it shall be considered as zero and the same will have to be offered to the CAFRAL free of charge. The calculation arrived by CAFRAL will be final and will be binding on the bidders

IV. Successful Bidder:

Post the evaluation process indicated above, CAFRAL will award the Contract to the Bidder whose bid has been determined to be technically responsive to the requirements of the RFP and financially the lowest price (TCO), hereby referred to as the 'Successful Bidder'.

TCO will be calculated as the summation of the grand total of the Price Bid and all the additional items (items covered in Annex B1 -- IT Infrastructure cost and support Post Go- Live).

Total Cost of Ownership (TCO) = One Time cost of total solution (HW/SW) with warranty+ H/W AMC for 2 years + Resource personnel charges for 7 years + OEM premium professional charges for 5 years + Additional items

Note:

1. Above IT Infrastructure Prices should include:
 - Delivery and installation charges at CAFRAL

- For H/w - required Passive components viz cables, Cable laying, SFPs etc.
 - 5-year Warranty period for H/w and related accessories
 - 5-year warranty period for S/w licenses if any.
2. The make and the model of H/w components in this annexure should be same as mentioned in commercial Bid. Changes in make/model of H/w components in this annexure different from commercial Bid is strictly not permitted.
 3. The price will be inclusive of all except GST, which will be paid as per actual (documentary proof). The tax calculation should be shown separately.
 4. The OEM professional service charges quoted should be inclusive of all travel and halting expenses.
 5. All items in Post Go Live charges are included for TCO calculation

V. Signing of contract (Sign-Off):

The selected Bidder shall execute an Agreement and Bank Guarantee issued by a Scheduled Bank within 30 days of the receipt of the work order.

I. TERMS AND CONDITIONS

I. Earnest Money Deposit (EMD):

- Bidders should submit the Earnest Money Deposit (EMD) in INR in the form of a Bank Guarantee. The value of the EMD will be INR 10,00,000/- (Rupees Ten Lakh only).
- The EMD should be valid for the period of one year from the last date of submission of bid. The non-submission of EMD will lead to rejection of the bid.
- The physical copy of EMD must be submitted before the technical bid opening.
- The bidders should note the following regarding EMD:
 - If the EMD is not received after the designated date and time for submission of the Bid, CAFRAL, at its discretion, may reject the bid.
 - EMD of unsuccessful Bidders shall be returned within 30 days from the final result of the bidding process and declaration of the Successful Bidder.
 - For successful bidder the EMD will be returned on submission of PBG
 - The EMD will not carry any interest. Offers made without the Earnest money deposit will be rejected.
- The amount of Earnest money deposit would be forfeited in the following scenarios:
 - In case the Bidder withdraws the bid prior to validity period of the bid without providing any satisfactory reason;

- In case the successful Bidder fails to accept and sign the contract as specified in this document without any satisfactory reason;

II Performance Bank Guarantee (PBG):

- The selected bidder shall at his own expense deposit a Performance Bank Guarantee from a scheduled commercial bank, payable on demand may be obtained, for an amount equivalent to ten percent (10%) of the Purchase Order i.e. (OTC) for the due performance and fulfilment of the contract by the bidder, with the Director, Centre for Advanced Financial Research and Learning (CAFRAL), Mumbai, within thirty (30) working days of the date of notice of award of the purchase order.
- The successful Bidder, shall at his own expense, submit Performance Bank Guarantee (PBG) in the name of:

Director,

Centre for Advanced Financial Research and Learning (CAFRAL)

Reserve Bank of India, C-8 Building, 8th Floor,

Bandra Kurla Complex, Bandra (East),

- PBG shall be submitted within thirty (30) days from the date of issue of the Purchase Order. Performance Bank Guarantee shall be obtained by the successful bidder from a scheduled commercial bank only, payable on demand, in terms of relevant Annex B3 to this RFP
- PBG shall be submitted for an amount equivalent to 10% of the purchase order (OTC) by the successful Bidder which will be valid till the completion of contract period i.e. five years.
- Without prejudice to the other rights of the Purchaser under the Contract in the matter, the proceeds of the performance bank guarantee shall be payable to the CAFRAL as compensation for any loss resulting from the Bidder's failure to complete its obligations under the Contract.
- CAFRAL shall notify the Bidder, in writing, of the invocation of its right to receive such compensation, indicating the contractual obligation(s) for which the Bidder is in default.
- The Performance Bank Guarantee may be discharged upon being satisfied that there has been due performance of the obligations of the Bidder under the contract.

- The Performance Bank Guarantee shall be denominated in Indian Rupees (INR) and shall be valid for the period of contract.
- The successful Bidder shall ensure; the Performance Bank Guarantee is valid at all times during the term of the subsequent contract (including any renewal) and for a period of 90 days beyond all contractual obligations. The failure of the selected bidder to comply with the above requirement(s), or failure of the bidder to enter into a contract within 1(month) month from date of issue of Purchase order or within such extended period, as may be specified by the CAFRAL, shall constitute sufficient grounds, among others, if any, for the annulment of the award of the tender.
- In case of breach, there shall be a cure period of 5 (five) calendar days. In case, if the issues are not resolved within such period, the Performance Bank Guarantee would be invoked anytime thereafter as per the discretion of CAFRAL.

III. Delivery and Installation: Timeline for delivery and installation of the entire BoM will be 10-16 weeks after placing work order. The Installation & commissioning activity should start only after complete delivery of the consignment. No Partial deliveries/installation will be accepted. Bidder must obtain the signature of material acceptance on complete delivery from CAFRAL before starting the installation. Responsibility and accountability for completion of the installation shall rest with the OEM.

IV. Penalty for Breach of SLA:

- a. During the Comprehensive warranty (response and resolution time as per SLA) comprehensive warranty and support period i.e. 5 years, 1% of retention amount as a penalty will be imposed for not meeting the SLA. (Eg. If any ticket is found to be unresolved after the stipulated SLA period is passed; and if 2 (two) or more such incidents happen in a single quarter after project sign-off, then 2% of further penalty will be deducted.) (PBG format as per Annex B3)
- b. In case 20 penalties in lieu of breach of SLA has been imposed during the entire Comprehensive warranty (response and resolution time as per SLA) support and warranty period, then it would be considered as a severe non-performance from the bidder's end, and CAFRAL will have the sole discretion to further decide for increase in the amount of penalty to be deducted from PBG or whether the entire PBG will be completely forfeited.

V. Payment Terms:

- a. 75% of the cost of Hardware and software (System/OTC) except Warranty/AMC (RC) on acceptance of delivery by CAFRAL.
- b. 15% of the cost of Hardware and software (System/OTC) except Warranty/AMC (RC) on completion of Installation, commissioning, configuring & training.
- c. 10% of the cost of Hardware and software (System/OTC) except Warranty/AMC (RC) will be on completion of contract period of 5 years or on submission of Bank Guarantee of equivalent amount issued by a Scheduled Bank, valid till the end of contract period.
- d. Quarterly invoice will be paid for resident resource in arrears during the contract period i.e. 5 years
- e. Yearly invoice will be paid for OEM warranty/support in arrears during the warranty period i.e. 5 years
- f. Quarterly invoice for AMC and resident resource in arrears will be paid during the AMC period i.e. 2 years
- g. Payment in case of termination of contract - In case the contract is terminated payment will be made as follows:
 - Payment towards services will be made on pro rata basis, for the services, which have been completed & accepted by CAFRAL, after deducting applicable LD and TDS/other taxes.
 - CAFRAL will continue to own the deliverable submitted by Bidder and reserve the right to appoint any third-party.

VI. Liquidity Damages (LD) during Project Implementation:

Sr. No.	Service Area	Target	Liquidity Damages (LD)
1	Project kick-off Meeting (PO Acceptance and setting expectations)	1 week from the date of Issue of Purchase Order	A LD of 0.5% per week for first two weeks and 1% per week for every subsequent week subject to a maximum of 10% of purchase order value i.e. OTC.
2	Delivery of Proposed Solution (Hardware, Software & Licenses etc.).	10-12 weeks from the date of Issuance of Purchase Order	A LD of 0.5% per week for the first two weeks and 1% per week for every subsequent week subject to a maximum of 10% of purchase order value i.e. OTC.

3	Installation and Acceptance Testing	Within 16 weeks from the date of issue of purchase order.	A LD of 0.5% per week for the first two weeks and 1% per week for every subsequent week subject to a maximum of 10% of purchase order value i.e. OTC.
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CAFRAL reserves it's right to recover these amounts by any mode such as adjusting from any payments to be made to the Bidder.

VII. Price:

- Prices should be quoted in INR only.
- There shall be no increase in price for any reason whatsoever during the entire period of the contract and therefore no request for any escalation of the cost / price shall be entertained.

VIII. Taxes and Duties:

- All taxes at the time of release of payments, shall be deducted at source as per the prevailing rates.
- Commercial bid submitted by the bidders shall exclude taxes.
- The benefits realised by the bidder subsequent to the payment made by CAFRAL due to lower rates of taxes, duties, charges and levies or any error on the part of CAFRAL shall be passed on by the bidder to CAFRAL.

IX. Non-Disclosure agreement

- The bidders are bound by the terms and conditions of the Non-Disclosure Agreement and should strictly treat all documents, information, data and communication of and with CAFRAL with regard to this RFP as privileged and confidential.
- The selected Bidder shall further execute a Non-Disclosure Agreement at the time of execution of the contract. The selected Bidder shall not, without the CAFRAL's prior written consent, disclose the contract/agreement, or any provision thereof, or any specification, plan, sample or information or data or designs/drawings furnished by or on behalf of the CAFRAL to any person other than a person employed by it in the performance of the contract.
- Disclosure to any such employed person should be made in utmost confidence and should extend only so far as necessary and relevant for the purpose of such performance and should be subject to the terms and conditions of the Non-Disclosure Agreement.

- d. The Bidder shall not, without the CAFRAL's prior written consent, make use of any document, data or information, etc., enumerated in bid documents save and except for due performance and observance of the contract.

X. Force Majeure

Neither party shall be responsible for any failure to perform due to unforeseen circumstances or due to causes beyond the defaulting party's control even after exertion of best of efforts to prevent such failure, which may include but not be limited to, acts of God, war, riots, embargoes, strikes, lockouts, acts of any government authority, delay in obtaining licenses or rejection of application under the statutes, fire or floods

XI. Other Conditions:

- a. The CAFRAL reserves the right to:
- Select or reject any application without assigning any reason thereof.
 - Cancel/withdraw the RFP process at any stage without assigning any reasons thereof
 - To reissue the RFP, if cancelled
 - Delete/amend/add any clause(s) in the RFP at any time, without assigning any reason and shall not be held liable for any losses or damages caused by such amendment/modification.
- b. Bidder shall bear all costs associated with the preparation, submission of technical bid including technical inputs for assessment by the evaluation committee and the price bid. CAFRAL will, in no case, be held responsible or liable for these costs, regardless of the outcome of the tendering process.
- c. CAFRAL reserves the right to blacklist a bidder for a suitable period in case he fails to honor his proposal without sufficient ground.
- d. This RFP does not confer any right to any bidder on the services rendered/to be rendered unless selected and unless an agreement is executed between it and CAFRAL.
- e. The selected Bidder shall exercise due care in execution of the assignment and take all responsibility for/of, including supervision and all other things whether of a temporary or permanent nature, required in and for such execution.
- f. The selected Bidder shall be deemed to have satisfied itself of the RFP before entering into the terms and conditions as to the correctness and sufficiency of the rates and prices.

- g. The selected Bidder shall comply with all the laws involved in the performance under this RFP and subsequent contract.
- h. In case the selected Bidder shuts any of its offices, it should inform CAFRAL immediately.
- i. The selected Bidder shall make appropriate disclosure to CAFRAL on its possible source or potential areas of conflict of duties and interest while providing services under the agreement which would impair its ability to render fair, objective and unbiased services.
- j. Any Deviations from Technical Specifications and Terms and Conditions of the Tender, if any may be mention in the Annexure B4. CAFRAL reserve the rights to accept/reject the deviation proposed by bidder.

XII. Arbitration and Applicable Laws:

In the event of any dispute between parties regarding the provisions of the agreement and/or any transaction effected pursuant to this agreement and/or otherwise arising out of this agreement, including any claim of one party against the other party for money will be referred to arbitral proceedings. The arbitral proceedings shall be conducted in accordance with the applicable Indian laws. The place of arbitration proceedings will be Mumbai. However, under no circumstances, the services shall be stopped by the selected Bidder pending dispute redressal and/or arbitration in progress except on express notice given in this regard by CAFRAL. Courts in Mumbai alone shall have exclusive jurisdiction to decide matters arising out of the Contract

XIII. Indemnity:

The Bidder shall, at its own cost and expenses, defend and indemnify CAFRAL against all third-party claims including infringement of Intellectual Property Rights, including patent, trademark, copyright, trade secret or industrial design rights, arising from the use of the solutions/products under the contract or any part thereof in India. The Bidder shall expeditiously meet any such claims and shall have full rights to defend itself thereagainst. If CAFRAL is required to pay compensation to a third party resulting from such infringement, if any, the Bidder shall be solely and fully responsible therefor, including providing for all expenses, and court and legal fees.

CAFRAL will give notice to the Bidder on any such claim and shall provide reasonable assistance to the Bidder in disposing of the claim. However, the Bidder

shall be solely and fully responsible for meeting all such claims.

The Bidder shall also be liable to indemnify CAFRAL, at its own cost and expenses, against all losses/damages, which CAFRAL may suffer on account of violation by the Bidder of any or all national/international trade laws, norms, standards, procedures, etc.

XIV. Prevention of Sexual Harassment (POSH) of Women at Workplace

CAFRAL In compliance with the guidelines prescribed by the Supreme Court and Gazette Notification vide Act of Parliament dated 23rd April, 2013, new Regulations was added in the CAFRAL (Contract Appointees) Regulations, 2012 under Chapter 2 with effect from January 01, 2014 prohibiting sexual harassment of women employees at work place. Pursuant to the guidelines laid down in the Supreme Court Judgement [Vishakha and Others. Vs. State of Rajasthan (1997) SCC 241], a formal Complaints Redressal Mechanism for prevention of incidence of sexual harassment of women at workplace was put in place in CAFRAL. Under the said mechanism, an Internal Complaints Committee (ICC), headed by a lady officer in Grade 'E' was constituted at the Office level. The ICC have women as more than half their members. This Committee also has, as a member, an external lady expert from the NGO sector to provide an impartial and expert view on complaints received by the Committee. The ICC acts as focal point for the issues relating to the subject of prevention of sexual harassment of women at workplace. It shall monitor the activities of lady contract employees particularly in regard to disposal of complaints received by ICC.

XV. Overall Liability of the Bidder

The Bidder's aggregate liability in connection with obligations undertaken as a part of this Project regardless of the form or nature of the action giving rise to such liability (whether in contract, tort or otherwise), shall be at actual and limited to the value of the contract. The Bidder's liability in case of claims against the CAFRAL resulting misconduct or negligence of the Bidder, its employees and subcontractors or from infringement of patents, trademarks, copyrights or such other Intellectual Property Rights or breach of confidentiality obligations shall be unlimited.

XVI. Insurance Coverage

- The bidder is required to take Transit Insurance and Erection All Risk (EAR)

policy to cover cost of the entire hardware and/or software equipment at respective CAFRAL for up to completion of installation and go-live. Please note that insurance premium amount needs to be borne by the bidder only.

- The bidder shall maintain at its expense all statutory mandated insurance such as workers' compensation and employer's liability. The bidder shall submit a declaration signed by their authorised signatory in this regard

Annexures

Annexure A1 – Technical Bid – Covering Letter **(To be submitted on Bidders Company letter head)**

Date:

The Director,
Centre for Advanced Financial Research
and Learning (CAFRAL),
Reserve Bank of India, C8 Building, 8th floor,
Bandra Kurla Complex (BKC),
Bandra East, Mumbai 400051

RFP for Supply, Installation, Commissioning and Training of High-Performance CPU Based Cluster

1. We, the undersigned, offer to submit our Bid in response and accordance with your tender **CAFRAL No. 00191/10.14.001/2025-26 December 11, 2025**. Having examined the tender document including all Annexures carefully, we are hereby submitting our Proposal with all the requisite documents as desired by the CAFRAL.
2. Further, we agree to abide by all the terms and conditions as mentioned herein the tender document. We agree to abide by this offer till 90 days from the date of last day for submission of offer (Bid).
3. If our offer is accepted we undertake to the project of Supply, Installation, Commissioning and Training of High-Performance CPU Based Cluster for a period of Five years.
4. We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".
5. We have also noted that CAFRAL reserves the right to consider/ reject any or all Bids without assigning any reason thereof.
6. We understand that the CAFRAL is not bound to accept any Proposal it receives.

Yours sincerely,

Authorized Signatories

Name: _____

Designation: _____

Company Seal:

Annexure A2 – General Information about Bidder

CAFRAL No. 00191/10.14.001/2025-26 December 11, 2025

S.N.	Description	Bidder's response
1	Name of the Bidder company (Registered name of the Bidding Company)	
2	Details of Incorporation of the Company.	Date: Ref. No.:
3	Status of Company. Documentary proof enclosed. (Yes/No)	
4	Website of Company	www.
5	Address of Registered Office with contact numbers.	
A	Address	
B	Pin Code	
C	Land Line No (with STD code)	
D	Fax No. (with STD code)	
6	Address for Correspondence (if different from above).	
A	Address	
B	Pin Code	
C	Land Line No (with STD code)	
D	Fax No. (with STD code)	
7	PAN No. Copy of PAN enclosed. (Yes/No)	
8	GSTIN No. Copy of GST enclosed. (Yes/No)	
9	Contact Details of Bidder's authorized representative to make commitments to CAFRAL.	
A	Name	
B	Designation	
C	Land Line No. (with STD code)	
D	Mobile No.	
E	Website	
F	Mail Id	
11	Financials (for last three years)	

	Parameter	FY	Amount in Lakh
A	Annual Turnover	2022 – 2023	
		2023 – 2024	
		2024 – 2025	
B	Net Profit	2022 – 2023	
		2023 – 2024	
		2024 – 2025	
C	Net worth	2022 – 2023	
		2023 – 2024	
		2024 – 2025	
D	CA certificate attached for A, B, C above.		(Yes / No)
E	1. Audited balance sheet and 2. P/L account attached.		(Yes/ No)

Annexure A3 – Eligibility Criteria Response Sheet

S.N.	Qualifying Requirement (QR)	Documents to be enclosed	Relevant Documents attached (Y/N)
1.	The Bidder: - Shall be a company registered under the Companies Act, 2013 or the Companies Act, 1956 or a Limited Liability Partnership (LLP) registered under the LLP Act, 2008 or Indian Partnership Act 1932 or Proprietorship firm. - Shall be registered with GST Authorities in India - Should have their registered offices with legal presence in Mumbai Metropolitan Region.	- Copy of Certificate of Incorporation/ Registration/ Partnership deed signed by Authorized Signatory of Bidder/ Shop or Establishment Certificate for Proprietorship. - Copy of PAN Card - Copy of GST certificate	
2.	The bidder (applicant company) must have recorded net profit (after tax) continuously for the last three years, that is, financial years – 2022-23, 2023-24 and 2024-25.	Net profit for each of the last three years. The Audited Balance Sheet and Profit & Loss Statement for all the three financial years should be submitted as documentary evidence along with CA's certificate and a self-certified copy of IT returns.	
3.	Bidder (applicant company) must have annual revenue of at least ₹ 50 crore (fifty crore) for 3 years during April 2022 - March 2025.	Specify for each year. This must be supported by audited financial statements (Reports) and relevant certificate from Statutory Auditors.	
4.	The Bidders/OEM should have at least 5 entries in the latest edition of the Global/Indian TOP 500 Supercomputing list (Top Supercomputers- India (https://topsc.cdacb.in))	The bidder must submit proof of the same.	
5.	The bidder should have done minimum 3 similar HPC installation (CPU based only) in the last 3 years	Client purchase orders and copy of Installation Report from such clients.	
6.	Bidders should not have been found guilty / penalised by any court. They should not have been blacklisted by any Central/ State Government/ Public Sector Undertaking/ Listed Company ever.	A certificate duly signed by Chartered Accountant shall be attached. CAFRAL reserves right to independently verify the same.	

7.	The bidder/OEM and proposed solution should not be from countries which share land border with India unless registered with the Competent Authority constituted by the Department for Promotion of Industry and Internal Trade (DPIIT) in accordance with General Financial Rules 2017 of Government of India.	(Order (Public Procurement No. 1) dated 23.07.2020, Order (Public Procurement No. 2) dated 23.07.2020 and Order (Public Procurement No. 3) dated 24.07.2020 issued by Department of Expenditure, Ministry of Finance, Govt, of India in this regard are available at website https://doe.gov.in/procurement-policy-divisions)	
8	Bidder should submit a valid Manufacturers Authorization Form (MAF) specific to this tender	The authorization letter should be on the Letterhead of the concerned OEM. In case of Authorized distributor /dealer /agent, copy of the valid authorization from OEM shall be enclosed. Offer submitted without proper authorization shall be liable to be rejected summarily.	

Notes:-

1. If needed the bidder can use separate sheets for explaining the above points, relevant pages must be referenced in the respective box of the table.
2. CAFRAL reserves the rights to verify the facts given by the bidder, with any authority, as and when required.
3. CAFRAL reserves the right to accept/reject any/all offer(s) without assigning any reason.

Annexure A4 – Technical Evaluation

To be submitted by the bidders strictly in the following format/order in respect of each item. All documents to attached in support shall be of A4 size, serially numbered, stamped (company seal) and signed by the authorised signatory/CA as applicable and shall be spiral bound.

Marks (out of 100(documentation -75 and presentation -25)) shall be allocated only in case the bidders are eligible to participate as per the eligibility criteria (As per Annex A3) mentioned in this RFP.

Sr. No.	Criteria for evaluation	Documentary Evidence	Scoring with cut off marks
1.	Experience in the field IT Service Provider for HPC solution deployment and maintenance consistently. a. < 3 yrs b. 3-5 yrs c. > 5 yrs	Bidders to furnish proofs of old Proof of execution of work for every year.	a. 4 b. 6 c. 8 Allocated Marks: 8 Cut off marks 4
2	The average net profit of the applicant bidder for last three years a. up to ₹ 10 Cr b. ₹ 10 - 20 Cr c. > ₹ 20 Cr	Copy of audited balance sheet and profit and loss to be provided	a. 4 b. 6 c. 8 Allocated Marks: 8 Cut off marks 4
3	List of HPC installation with billing of more than ₹ 10 Cr each during last 3 years of bidder a. 2-3 installation b. 4-6 Installation c. 7 and above installation	Bidders to furnish proofs of such installations. (Work Orders and Installation reports)	a. 8 b. 12 c. 15 Allocated Marks: 15 Cut off marks 8
4	How many Premier Academic or R&D Organizations have you worked for, in the last 3 years of Bidder a. Worked with 1-3 b. Worked with 4-5 c. Worked with more than 6	Work orders and installation report from the respective organizations. Bidders may showcase their best possible work (for Premier Academic or R&D Organizations) giving complete details of at least one or two installations in the last 3 years	a. 8 b. 12 c. 15 Allocated Marks: 15 Cut off marks 8

5	Details about retention of the bidder during last 3 years as the AMC service provider by the existing clients for provided solutions as following for bidder - Retention by at least 3 clients for 1-3 years - Retention by at least 3 clients for 4-5 years - Retention by at least 3 clients for ≥ 6 years	Letters/order of renewal of AMC contract year wise by the respective clients	4 6 8 Allocated Marks: 8 Cut off marks 4
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6	Scoring Methodology for Team Composition:	
	Composition of Project team	- Project Manager - Subject matter expert/Team leader - Team members

• The bidder must propose a detailed team composition for the implementation of the defined scope. CAFRAL envisages a structure headed by the project manager with multiple team leaders managing various teams. The bidder is, however, expected to independently understand the scope and evaluate the resource requirements before proposing the team structure resources identified for the project are expected to possess minimum experience referring responsibility assignment matrix i.e. RACI (Responsible, Accountable, Consulted, and Informe) as listed in the table below:

Designation	Qualifying Criteria	Weights	Documentary evidence
Project Manager	The Project Manager proposed for this project should have a minimum of 5 years of overall experience in and relevant IT infrastructure, including at least 3 years of experience in project management, specifically involving the implementation of HPC projects.	8	The bidder must submit a letter along with the technical bid, detailing the past experience of individual team members. This letter must be duly signed by the authorized signatory of the organization.
Subject Matter experts /Team leader	should have 5 years of experience in implementation of below areas. Preferred Subject matter expert resources: - HPC Infrastructure (3) - Red hat Linux (2) (Certification preferred)	8	The letter should be annexed with individual CVs of the team proposed clearly outlining their respective areas of experience. The experience

Designation	Qualifying Criteria	Weights	Documentary evidence
	c. Julia, Fortran (2) d. Job scheduler (1)		details of the team proposed should be in sync with the past experience details of company provided in response to this RFP.
Resource personnel	Should have at least 3 years' experience in implementation of below areas a. HPC Infrastructure (1) b. Red hat Linux (2) (Certification preferred) c. Julia, Fortran (1) d. Job scheduler (1)	5	

- The team composition rules stated above in Qualifying Criteria must be adhered to even while replacing team members during the project. Any replacement will have to be done only when absolutely necessary and with due notice given to CAFRAL.

CAFRAL reserves the right to refuse the replacement proposed if it feels that the proposed replacement lacks the necessary knowledge and experience

Evaluation for presentation: -

S. No	Particulars	Maximum Marks
1	Understanding of the objectives of the project: The extent to which the Bidder's approach and work plan respond to the objectives indicated in the Statement/Scope of Work	10
2	Technical approach, Implementation methodology, Resource Competency, resource deployment and Adherence to Timelines	10
3	Project Management methodology for Support & Maintenance, Innovation, SLA Compliance, etc.	5
Total Maximum Marks		25

Note: Minimum score for a bidder to qualify the technical evaluation should be 70 %. However, CAFRAL will have the discretion to relax this criterion up to 60% if sufficient number of bidders do not get shortlisted with 70%.

Annexure A5 – Declaration for Acceptance of RFP Terms and Conditions

Date: _____

To,
The Director,
Centre for Advanced Financial Research
and Learning (CAFRAL),
Reserve Bank of India, C8 Building, 8th floor,
Bandra Kurla Complex (BKC),
Bandra East, Mumbai 400051

Dear Sir,

RFP for Supply, Installation, Commissioning and Training of High-Performance CPU Based Cluster

I have carefully gone through the terms & conditions and scope of work contained in the above referred RFP document. I declare that all the provisions of this RFP are acceptable to my company. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully,
(Signature of the
Bidder)

I/We hereby certify that all the particulars given above are correct and true to the best of my/our knowledge.

Signature.....

Full Name.....

Designation.....

Address.....

(Authorized Signatory)

Company Seal

Annexure A6 – Conformity of Hardcopies

(To be submitted on Bidders Company letter head)

Date: _____

To,
The Director,
Centre for Advanced Financial Research
and Learning (CAFRAL),
Reserve Bank of India, C8 Building, 8th floor,
Bandra Kurla Complex (BKC),
Bandra East, Mumbai 400051

Dear Sir,

Conformity of Hardcopies

CAFRAL No. 00191/10.14.001/2025-26 December 11, 2025

We, the undersigned Bidders, having read and examined Bid along with terms & conditions the aforesaid RFP document, issued by CAFRAL and hereinafter referred as 'CAFRAL do hereby covenant, warrant and confirm as follows.

The soft copies of the Proposal submitted by us in response to the RFP and the related addendums and other documents including the changes made to the original tender documents issued by the CAFRAL, conform to and are identical with the hard-copies of aforesaid Proposal submitted by us, in all respects.

Signature.....

Full Name.....

Designation.....

Address.....

(Authorized Signatory)

Company Seal

Annexure A7 – Letter of Competence
(To be submitted on Bidders Company letter head)

This is to certify that we [Insert name of Bidder], address.....are fully competent and eligible to undertake and successfully deliver the scope of services mentioned in the above RFP. This recommendation is being made after fully understanding the objectives of the project and requirements of providing services as mentioned in the captioned RFP.

We also certify that all the information given by in response to this RFP is true and correct and also confirm that our company is eligible to perform this contract and whatever out company filed response to the Annexure –III to the response to TB criteria is true and correct.

Signature.....

Full Name.....

Designation.....

Address.....

(Authorized Signatory)

Company Seal

Annexure 8 – Letter of Conformity
(To be submitted on Bidders Company letter head)

Date: _____

To
The Director,
Centre for Advanced Financial Research
and Learning (CAFRAL),
Reserve Bank of India, C8 Building, 8th floor,
Bandra Kurla Complex (BKC),
Bandra East, Mumbai 400051
Dear Sir,

Letter of Conformity

We, the undersigned Bidders, having read and examined along with terms and conditions the aforesaid RFP document on “Supply, Installation, Commissioning and Training of High Performance CPU Based Cluster”, issued by Centre for Advanced Financial Research and Learning and hereinafter referred as ‘CAFRAL’ do hereby covenant, warrant and confirm as follows:

We hereby agree to comply with all the terms and conditions / stipulations as contained in the RFP and the related addendums and other documents including the changes made to the original tender documents issued by the CAFRAL. CAFRAL 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 CAFRAL’s decision not to accept any such extraneous conditions and deviations will be final and binding on us and persons claiming through us.

We also here by confirm that our prices as specified in our Commercial Bid are as per the Payment terms specified in the Tender document.

Signature.....

Full Name.....

Designation.....

Address.....

(Authorized Signatory)

Company Seal

**Part II of the Bid Document (to be submitted in a separate envelope,
and will be opened only if the bidder qualifies in the technical bid)**
Annexure B1 – Commercial Bid – Covering Letter

(To be included in Commercial Bid Envelope)

Date: _____

To

The Director,
Centre for Advanced Financial Research
and Learning (CAFRAL),
Reserve Bank of India, C8 Building, 8th floor,
Bandra Kurla Complex (BKC),
Bandra East, Mumbai 400051

Dear Sir,

Re: Commercial Bid – Covering Letter

I, the undersigned, offer to provide services for the above-mentioned project, in accordance with your **CAFRAL No. 00191/10.14.001/2025-26 December 11, 2025** on “Supply, Installation, Commissioning and Training of High Performance CPU Based Cluster and Support service” and our Proposal dated[**Date**]. The Total fee is inclusive of all taxes, duties, charges and levies (as applicable and payable under the local laws) and the other expenses like out-of-pocket expenses that we might incur and there will be no additional charges whatsoever. We will abide by the payment terms as mentioned in the aforesaid RFP.

Our Commercial Proposal shall be binding upon us, subject to the modifications resulting from contract discussions, up to expiration of the validity period of the Proposal, i.e., [**Insert date**]

Signature.....

Full Name.....

Designation.....

Address.....

(Authorized Signatory)

Company Seal

Commercial Bid Format

I. BOQ Items				
Sr. No.	Item Description	Unit Price (INR)	Qty.	Total Price (INR)
Section A (OTC)				
1	Master Node		1	
2	Compute Nodes (Total 640 Cores)		10	
3	Infini-band Switch - Primary Network for HPC		1	
4	1 Gig Ethernet Switch - Management Network for HPC		2	
5	All Flash NVMe based PFS Storage Solution - Storage 75TiB Usable Storage		1	
6	Server Management Software		1	
7	Cluster Management Software		1	
8	Installation, Commissioning, Training Charges if any			
	Total (Section A)			
Section B (RC)				
1	Comprehensive Warranty for 5 years (Yearly payment in arrears)			
2	Resource personnel (Resident) (<i>Note: SOW mentioned at 3.2 of the RFP</i>) for 5 years + 2 Years			
	Total (Section B)			
Section C (RC)				
1	2 years Comprehensive Annual Maintenance Contract after completion of 5 years			
	Total (Section C)			
Total Basic Price (Section A+B+C) (Exclusive of GST@18%)				

II. Optional Items				
Sr. No	Item Description	Unit Price (INR)	Qty.	Total Price (INR)
1	Additional Compute Node (Bidder need to mention validity of the price for additional Compute Node)		1	

Note: Bidders are requested to note the following:

- TDS will be deducted as per rules applicable.

Annexure – B2 Non-Disclosure Agreement

NON-DISCLOSURE AGREEMENT

(Sample Format - TO BE EXECUTED ON A NON-JUDICIAL
STAMPED PAPER)

WHEREAS, we, _____, having
Registered Office at _____,
_____, hereinafter referred to as the
COMPANY, are agreeable to execute “**Supply, Installation, Commissioning and
Training of High-Performance CPU Based Cluster**” as per scope defined in the
Request for Proposal **CAFRAL No. 00191/10.14.001/2025-26 December 11, 2025** for
Centre for Advanced Financial Research and Learning, having its registered office
....., hereinafter referred to as the CAFRAL and,

WHEREAS, the COMPANY understands that the information regarding the CAFRAL’s
Infrastructure shared by the CAFRAL in their Request for Proposal is confidential and/or
proprietary to the CAFRAL, and

WHEREAS, the COMPANY understands that in the course of submission of the offer for
the said RFP and/or in the aftermath thereof, it may be necessary that the COMPANY
may perform certain jobs/duties on the CAFRAL’s properties and/or have access to
certain plans, documents, approvals, data or information of the CAFRAL;

NOW THEREFORE, in consideration of the foregoing, the COMPANY agrees to all of
the following conditions, in order to induce the CAFRAL to grant the COMPANY specific
access to the CAFRAL’s property/information:

The COMPANY will not publish or disclose to others, nor, use in any services that the
COMPANY performs for others, any confidential or proprietary information belonging to
the CAFRAL, unless the COMPANY has first obtained the CAFRAL’s written
authorisation to do so;

The COMPANY agrees that information and other data shared by the CAFRAL or,
prepared or produced by the COMPANY for the purpose of submitting the offer to the
CAFRAL in response to the said RFP, will not be disclosed to during or subsequent

to submission of the offer to the CAFRAL, to anyone outside the CAFRAL;

The COMPANY shall not, without the CAFRAL's written consent, disclose the contents of this Request for Proposal or any provision thereof, or any specification, plan, pattern, sample or information (to be) furnished by or on behalf of the CAFRAL in connection therewith, to any person(s) other than those employed/engaged by the COMPANY for the purpose of submitting the offer to the CAFRAL and/or for the performance of the Contract in the aftermath. Disclosure to any employed/engaged person(s) shall be made in confidence and shall extend only so far as necessary for the purposes of such performance.

Authorised Signatory

Name: Designation:

Office Seal:

Annexure – B3 - Performance Bank Guarantee

Strictly Private and Confidential

To,

Director,
Centre for Advanced Financial Research and Learning (CAFRAL),
C8 Building, 8th Floor, Reserve Bank of India,
Bandra Kurla Complex (BKC), Bandra East,
Mumbai 400051, Maharashtra

Dear Sir,

PERFORMANCE BANK GUARANTEE – Request for Quotation for Proposal for (Name of Work/service) with reference number RFP: **CAFRAL No. 00191/10.14.001/2025-26 dated December 11, 2025**

WHEREAS

M/s. (Name of the Bidder), a company registered under the Companies Act, 1956, having its registered and corporate office at (Registered Address of Bidder), (hereinafter referred to as “our constituent”, which expression, unless excluded or repugnant to the context or meaning thereof, includes its successors and assigns), entered into an Agreement dated _____ (Hereinafter, referred to as “the said Agreement”) with you (CAFRAL) for (Name of Work/service) as detailed in the scope given in the RFP document, as detailed in the said Agreement.

We are aware of the fact that in terms of sub-para (...), Section (...), Chapter (...) of the said RFP and subsequent, Agreement dated _____, our constituent is required to furnish a Bank Guarantee for an amount Rs _____ /- (Rupees in words), as per the said RFP and Agreement terms, as security against breach/default of the said RFP and Agreement by our Constituent.

In consideration of the fact that our constituent is our valued customer and the fact that he has

entered into the said Agreement with you, we, <Please mention Bank Name & Address>, have agreed to issue this Performance Bank Guarantee.

Therefore, we <Please mention Bank Name & Address>, hereby unconditionally and irrevocably guarantee you as under:

1. In the event of our constituent committing any breach/default of the said RFP and Agreement, which breach/default has not been rectified within a period of thirty (30) days after receipt of written notice from you, we hereby agree to pay you forthwith on demand such sum/s not exceeding the sum of Rs_____ /- (Rupees in words), without any demur.
2. Notwithstanding anything to the contrary, as contained in the said RFP and Agreement, we agree that your decision as to whether our constituent has made any such default/s / breach/es, as afore-said and the amount or amounts to which you are entitled by reasons thereof, subject to the terms and conditions of the said Agreement, will be binding on us and we shall not be entitled to ask you to establish your claim or claims under this Performance Bank Guarantee, but will pay the same forthwith on your demand without any protest or demur.
3. This Performance Bank Guarantee shall continue and hold good for ninety (90) days after the completion of the contract period i.e. dated_____, subject to the terms and conditions in the said RFP and Agreement.
4. We bind ourselves to pay the above said amount at any point of time commencing from the date of the said Agreement until ninety (90) days after the completion of the contract period for the Total Services (Name of work/service) as per said RFP terms and Agreement.
5. We further agree that the termination of the said Agreement, for reasons solely attributable to our constituent, virtually empowers you to demand for the payment of the above said amount under this guarantee and we have an obligation to honor the same without demur.
6. In order to give full effect to the guarantee contained herein, we, <Please mention Bank Name & Address>, agree that you shall be entitled to act as if we were your principal debtors in respect of your claims against our constituent. We hereby expressly waive all our rights of suretyship and other rights, if any, which are in any way inconsistent with any of the provisions of this Performance Bank Guarantee.
7. We confirm that this Performance Bank Guarantee will cover your claim/s against our

constituent made in accordance with this Guarantee from time to time, arising out of or in relation to the said Agreement and in respect of which your claim is lodged with us on or before the date of expiry of this Performance Guarantee, irrespective of your entitlement to other claims, charges, rights and reliefs, as provided in the said Agreement.

8. Any notice by way of demand or otherwise hereunder may be sent by special courier, registered post or other electronic media to our address, as aforesaid and if sent by post, it shall be deemed to have been given to us after the expiry of 48 hours when the same has been posted.

9. If it is necessary to extend this guarantee on account of any reason whatsoever, we undertake to extend the period of this guarantee on the request of our constituent under intimation to you (CAFRAL).

10. This Performance Bank Guarantee shall not be affected by any change in the constitution of our constituent, nor shall it be affected by any change in our constitution or by any amalgamation or absorption thereof or therewith or reconstruction or winding up, but will ensure to the benefit of you and be available to and be enforceable by you.

11. Notwithstanding anything contained hereinabove, our liability under this Performance Guarantee is restricted to Rs_____ /- (Rupees in words), and shall continue to exist, subject to the terms and conditions contained herein, unless a written claim is lodged on us on or before the afore-said date of expiry of the claim period of guarantee.

12. We hereby confirm that we have the power/s to issue this Guarantee in your favor under the Memorandum and Articles of Association/ Constitution of our bank and the undersigned is/are the recipient of authority by express delegation of power/s and has/have full power/s to execute this guarantee under the Power of Attorney issued by the bank in his/their favor.

We further agree that the exercise of any of your rights against our constituent to enforce or forbear to enforce or any other indulgence or facility, extended to our constituent to carry out the contractual obligations as per the said Agreement, would not release our liability under this guarantee and that your right against us shall remain in full force and effect, notwithstanding any arrangement that may be entered into between you and our constituent, during the entire currency of this guarantee.

Notwithstanding anything contained herein:

- Our liability under this Performance Bank Guarantee shall not exceed Rs _____/- (Rupees in words);
- This Performance Bank Guarantee shall be valid only up to _____ (date), i.e., thirty (30) days after completion of the contract period); and
- We are liable to pay the guaranteed amount or part thereof under this Performance Bank Guarantee only and only if we receive a written claim or demand on or before dated, i.e. ninety (90) days after completion of the contract period).
- This Performance Bank Guarantee must be returned to the bank upon its expiry. If the Performance Bank Guarantee is not received by the bank within the above-mentioned period, subject to the terms and conditions contained herein, it shall be deemed to be automatically cancelled.

Dated this day 2025.

Yours faithfully,

For and on behalf of the Bank,

(Signature)

Designation

(Address of the Bank)

Note: This guarantee will attract stamp duty as a security bond under Article 54(b) of the Mumbai Stamp Act, 1958. A duly certified copy of the requisite authority conferred on the official/s to execute the guarantee on behalf of the bank should be annexed to this guarantee for verification and retention thereof as documentary evidence in the matter.

Annexure – B4 - Deviations from Technical Specifications and Terms and Conditions of the RFP

Sr. No.	RFP Clause	Technical Specification or terms and conditions in the Tender	Deviation offered	Reasons and whether deviation add to the operational efficiency in case of the systems
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Annexure – B5 :- Indexation formula for Resident Engineer (Facility Management Services) and AMC / ATS beyond contact period

i. Indexation Formula to be used for Facility Management Services.

$$A = B \{15 + 85 \times (CPI_c/CPI_p)\} \times 1/100$$

Where

A = The Man Month rate for services for the current year.

B = The Man Month rate for services for the previous year.

CPI_c = Consumer Price Index for industrial workers for Mumbai City 6 months prior to the commencement date of contract for the current year

CPI_p = Consumer Price Index for industrial workers for Mumbai City 6 Months prior to the commencement date of contract for the previous year

ii. Indexation Formula to be used for AMC/ATS

$$A_c = B_p \{15 + 45 \times (WPI_c/WPI_p) + 40 (CPI_c/CPI_p)\} \times 1/100$$

Where

A_c = the contract amount for the current year

B_p = the contract amount for the previous year

WPI_c = Wholesale price Index for Electrical Products 6 months prior to the Commencement date of contract for the current year

WPI_p = Wholesale Price Index for Electrical Products 6 months prior to the Commencement date of contract for the previous year

CPI_c = Consumer Price Index for industrial workers for Mumbai City 6 months prior to the commencement date of contract for the current year

CPI_p = Consumer Price Index for industrial workers for Mumbai City 6 Months prior to the commencement date

Annex D - Format of Pre – Bid Queries

Request for Proposal for Supply, Installation, Commissioning and Training of High-Performance CPU Based Cluster

Bidder's Name :

Contact Person :

Contact no / email id:

Queries

Sr. No.	RFP Ref Page no.	RFP Clause no.	Existing clause details	Clarification sought

End of Document