



**Tender Enquiry**  
**(E-Procurement Mode)**

**For**

**SUPPLY, INSTALLATION, COMMISSIONING,  
TESTING AND ACCEPTANCE OF HIGH  
PERFORMANCE COMPUTING (HPC) SYSTEMS**

## **Notice Inviting E-Tender (E-Procurement Mode)**

Date: 03.10.2025

IIITDM Kancheepuram invites online bids (e-tender) in two bids systems, from OEM/Authorized distributors/Authorized dealer for the following item.

Item	:	SUPPLY, INSTALLATION, COMMISSIONING, TESTING AND ACCEPTANCE OF HIGH PERFORMANCE COMPUTING (HPC) SYSTEMS (Specification/Quantity details enclosed as Annexure-1)
Tender Enquiry No	:	IIITDMK/25-26/SP/HPC/011 Dt 03/10/25
EMD	:	All participating vendors have to submit a EMD of Rs.15,00,000/-

### **CRITICAL DATE SHEET**

STAGE	DATE & TIME
Pre-Bid meeting	15 <sup>th</sup> October 2025 – 11:00 HRS at IIITDM Kancheepuram / Hybrid Mode  Meeting ID <a href="https://meet.google.com/smc-xjmb-kcf">https://meet.google.com/smc-xjmb-kcf</a>
Bid Submission End Date & Time	03 <sup>rd</sup> November 2025 - 15:00 HRS
Bid Opening Date & Time	04 <sup>th</sup> November 2025 - 15:30 HRS

#### **NOTE:**

The bidder should be a Class-I / Class-II Local Supplier meeting the requirement as per the Order No. P-45021/2/2017-PP (BE-II) issued by the Public Procurement Section, DPIIT, Ministry of Commerce and Industry, GOI dated 16-09-2020.

Bidders other than Class-I / Class-II Local Suppliers will not be considered and bids will be rejected outright.

#### **Important:**

All communications are to be addressed to in the name of The Registrar, IIITD&M Kancheepuram only and not in the name of any officer and mails has to be sent to official purchase email id [purchase@iiitdm.ac.in](mailto:purchase@iiitdm.ac.in)

## **INSTRUCTIONS FOR ONLINE BID SUBMISSION**

The bidders are required to submit soft copies of their bid electronically on the CPP Portal, using valid Digital Signature Certificates. Below mentioned instructions are meant to guide the bidders for registration on the CPP Portal, prepare their bids in accordance with the requirements and submit their bids online on the CPP Portal.

**For more information, bidders may visit the Portal (<https://eprocure.gov.in/eprocure/app>)**

### **1. REGISTRATION PROCESS ON ONLINE PORTAL**

- a) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrollment**” on the CPP Portal which is free of charge.
- b) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- c) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- d) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify /nCode /eMudhra etc.), with their profile.
- e) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- f) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

### **2. BID PREPARATION**

- a) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- b) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- c) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- d) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” are available to them to upload such documents. These documents may be directly submitted from the “My Space” while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

**Note:** This information is provided for understanding the bid submission process in the CPP Portal and may be noted that the Institute is not responsible for any delay / problem for uploading of document in the CPP Portal.

**Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 0120-4200462, 0120-4001002, 91-8826246593.**

## GENERAL TERMS AND CONDITIONS

1. The Bidders are requested to give detailed tender in two bid format.
 

<b>Bid-I</b>	:	<b>Technical Bid</b>
<b>Bid-II</b>	:	<b>Commercial Bid</b>
2. The tender document can be downloaded from the CPPP Portal <https://eprocure.gov.in/eprocure/app> OR Institute website- <https://www.iiitdm.ac.in/tender>
3. The duly filled tenders should be submitted on or before due date **15.00 HRS, 03<sup>rd</sup> November 2025**. Extension of due date will not be entertained.
4. A pre-bid meeting is organized on 15.10.2025, 11:00 HRS at IIITDM Kancheepuram / Hybrid mode to clarify any doubts about the tender. All prospective bidders are requested to kindly submit their queries on email ID: [purchase@iiitdm.ac.in](mailto:purchase@iiitdm.ac.in) latest by 13.10.2025, 15.00 HRS. During the Pre-bid meeting the answers/clarifications to the queries will be made available and will be uploaded on our website. No queries will be entertained after the Pre-bid meeting. The Interested bidders may participate at their own cost. The pre-bid minutes shall be binding on all bidders and will form part of the bid documents.
5. The link for the meeting through online mode is <https://meet.google.com/smc-xjmb-kcf>.
6. **Tenders submitted without following the two bid offer system will summarily be rejected. IIITDM Kancheepuram shall not be responsible for any delay in online submission.**
7. **Bid -1: Technical Bid**  
The online Technical bids should be uploaded containing the scanned copy of the following documents in (.pdf file)

1.	The technical bid compliance sheet & Eligibility Criteria	(Annexure-1)
2.	All participating vendors have to submit a EMD of Rs. 15,00,000/- and the scanned copy of EMD payment proof along with the Bid must be uploaded. (Bids without EMD payment will be summarily be rejected)	(Annexure-2)
3.	Bid Security Declaration form	(Annexure-3)
4.	Declaration of Local Content	(Annexure-4)
5.	Manufacturer's Authorization & Warranty Support Declaration	(Annexure-5)
6.	Bidders shall quote only those products in the bid that are not obsolete in the market and have at least 5 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.	(Annexure-6)
7.	<b>Experience Certificate:</b> Should have Supplied <b>Three</b> similar equipment (HPCs) (each costing Rs.3.00 Crores and above excluding taxes) to reputed organizations/ research institutions/ Universities etc. in India during the past <b>TEN YEAR</b> i.e., from FY 2015-16 to 2024-25 (PO copies without any alteration/modification and copies of installation report for the mentioned PO to be enclosed)	(Annexure-7)
8.	Item Description Leaflet	(Annexure-8)
9.	Declaration Regarding Clean Track/No Legal Action duly certified by the Notary	(Annexure-9)

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10.	Annual Maintenance Contract	(Annexure-10)
11.	Acceptance of Tender Terms	(Annexure-11)
12.	No Relation Certificate	(Annexure-12)
13.	Pre-Contract Integrity Pact	(Annexure-13)

Bids should have a validity of **180 days**. The technical offer should not contain any information on price.

**Important:**

The Technical bid consisting of all annexures and other documents should be serially numbered and to be uploaded as a single pdf file and the page number details has to be furnished in the compliance sheet. The total number of pages uploaded to be mentioned in the relevant column.

**Earnest Money Deposit (EMD):**

- EMD amount as shown in NIT can be deposited in IIITDM Kancheepuram bank account through net banking as mentioned below else, the bid will be rejected.

**Name of the Account: IIITDM KANCHEEPURAM**

**Account Number: 50100551446350**

**Bank Name: HDFC Bank, Kelambakkam**

**IFSC Code: HDFC0002075**

**Swift Code: HDFCINBBCHE**

However, the scanned copy of EMD payment along with the Bid must be uploaded electronically on e-Procurement site. No other mode of payment is accepted.

In the case of payment failure/ mismatch of particulars leads to rejection of bid.

- For the successful bidder, the EMD will be retained/ adjusted against the security deposit.
- For the unsuccessful bidders, EMD amount will be refunded within 30 days from the finalization of contract.
- The bidder shall enclose cancelled cheque/bank details to refund the EMD amount in case of unsuccessful bids at the technical evaluation process.
- EMD shall be forfeited if any tenderer withdraws their offer within the bid validity period.
- The earnest money shall be valid for a period of sixty (60) days beyond the validity period of the tender.

**8. Bid-2: Commercial Bid / Price:**

- The Institute is exempted from custom duty (as applicable to Research Institutes/University) vide Custom notification no. 51/96 dt 23.07.1996 based on the DSIR notification in this regard.
- The Price may be quoted in INR only.
- The Price quoted should be for FOR Destination (IIITD&M Kancheepuram, Melakottaiyur, Off Vandalur-Kelambakkam Road, Chennai – 600 127).
- The packing, forwarding, freight, insurance and commissioning charges, if any extra may be quoted separately in commercial bid.

- v. This should contain only the price information along with commercial terms & conditions.
- vi. Submission of commercial bids by any other means shall not be accepted by the Institute in any circumstances.
- vii. **The Institute is Government Funded Educational Institution offering UG/PG and PhD programmes. The Item is required for student laboratory purpose and prices may be quoted at applicable “Academic Pricing”.**

### 9. Technical Evaluation:

- a) All the technical aspects of the bids will be evaluated by a committee constituted by the Director. The scrutiny of bids will be done prima-facie on the basis of documents and information furnished by the bidder in the bid. Hence, the bidders are requested to upload all the required documents to avoid rejection of bid for want of information.
- b) The Technical Committee will examine all the Technical aspects of the bids received. Further, the Technical Committee may seek additional information from the existing users at IIITDM Kancheepuram or from other Institutes, these feedbacks will be considered for technical evaluation, the bidders will also be called for technical presentations if it is required so.
- c) The information received and the bids already submitted together will be examined with reference to the tendered specifications and evaluation is made by the Technical Committee.
- d) Further, the Institute may verify from the end users specified in the technical bid about the execution and satisfactory functioning of the item quoted, if required.
- e) Any information given in the bid found to be incorrect / false / suppressed fact will render the bidder ineligible at any stage during evaluation process or after issuance of PO and PO can be cancelled with no cost to the Institute.

### 10. Preparation and Submission of Offers:

- a) Quotation should be submitted directly by the original manufacturer/supplier or its sole authorized distributor/dealer/Indian Agent. In case of bid by authorized dealer/distributor/Indian Agent, the manufacturer authorization should be attached with the technical bid as per **Annexure-‘A’**.

### 11. Opening of Commercial Bids

IIITD&M Kancheepuram will open commercial bids of only the shortlisted bidders who qualified at the technical evaluation stage.

#### Commercial Evaluation:

- The bids shall be evaluated on the basis of final landing cost at F.O.R. Destination (Lab Building) at IIITD&M Kancheepuram, Melakottaiyur, Off Vandalur-Kelambakkam Road, Chennai – 600 127
- After arriving at final pricing of individual offers of all the short-listed firms, the lowest firm will be awarded with Contract/Purchase Order.
- The price mentioned in BoQ must be inclusive of transportation, Insurance, loading and unloading and any other local service required for delivering the goods for the desired destination as decided by IIITDM Kancheepuram. Loading and unloading is strictly in

vendor scope. IIITDM Kancheepuram will not provide any manpower support towards the same.

- The installation, commissioning and training charges (If any) must be mentioned as per the BoQ (if requested separately in BoQ) else the price quoted will be taken as inclusive of installation, commissioning and training.
- The institute will not be responsible in case of the bidders failing to include any of the above mentioned prices in their bid. The price mentioned in the BoQ will be final and the bidder has to comply with that, if awarded the tender.

**12. Make in India Policy:**

1. This Institute is following and will abide with the Public Procurement (Preference to Make in India), Order 2017 issued from time to time. The Institute will award the Contract to the Bidder whose bid has been determined to be substantially responsive as per the Order No. P-45021/2/2017-PP(BE-II) dated 16- 09-2020 from Department for Promotion of Industry and Internal Trade (Public Procurement Section), Ministry of Commerce and Industry, Govt. of India.
2. The bidder should be a Class-I / Class-II Local Supplier meeting the requirement of minimum 20% Local Content in line with the Public Procurement (Preference to Make in India) Order 2017 No. P-45021/2/2017-PP(BE-II) dated 16-09-2020.
  - i. Class I local supplier – has local content equal to more than 50%
  - ii. Class II local supplier – has local content 20% to less than 50%
3. Further among all technically qualified bids during the price evaluation 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 quoted price falling within the margin of purchase preference and the contract shall be awarded to such class I local supplier subject to match the L1 price. In case the lowest eligible class I supplier fails to match the L1 price, the class I local supplier with next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and the contract shall be awarded accordingly. Incase none of the class I local supplier within the margin of purchase preference matches the L1 price the contract shall be awarded to the L1 bidder (Class II Local supplier). Class II Local supplier will not get any purchase preference.
4. The margin of purchase preference for Class I local supplier is 20% from L1 price (without tax).

**13. Fraud and Corruption:**

IIITDM Kancheepuram requires that bidders, suppliers, contractors and consultants, if any, observe the highest standard of ethics during the procurement and execution of such

contracts. In pursuit of this policy,

a. The terms set forth below are defined as follows:

- **“Corrupt practice”** means the offering, giving, receiving, or soliciting, directly or in directly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
  - **“Fraudulent Practice”** means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
  - **“Collusive practice”** means a scheme or arrangement between two or more bidders, designed to establish bid prices at artificial, non -competitive levels; and
  - **“Coercive Practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract
- b. IIITDM Kancheepuram will reject a proposal for award if it determines that Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent collusive or coercive practices in competing for the Contract in question.
- c. **Integrity Clause:** No official of a procuring entity or a bidder shall act in contravention of the codes which includes prohibition of making offer, solicitation or acceptance of bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process.
- d. **The bidders are required to execute the Integrity pact and submit the same with the bid (refer Annexure 12).**

#### 14. Delivery Period / Timelines:

The deliveries and installation must be completed **within 24 weeks** from the date of purchase order. The time is the essence of the contract. It is mandatory for the bidders who respond to this bid to meet this expectation, as this is linked to student’s Labs / classes.

#### 15. Supply & services:

- i) The items covered by this document is required to be supplied and installed at **Laboratory complex, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Off Vandalur-Kelambakkam Road, Melakottaiyur, Chennai – 600 127, Tamil Nadu.**
- ii) IIITD&M Kancheepuram will not provide any accommodation / transportation for the engineers / representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the principal supplier / agent to make their own arrangements.

#### 16. Restriction on Purchase on Grounds of Defense of India:

The Institute follows Ministry of Finance and Department of Expenditure OM No.6/18/2019-PPD dated 23<sup>rd</sup> July 2020 and subsequent order dated 23<sup>rd</sup> July 2020 which are binding and the evaluation will be done accordingly.

**17. Pre-installation:**

The BIDDER has to state in detail the Electrical Power/UPS/Air Conditioning requirements, floor Space, head room, foundation needed and also to state whether Air-conditioned environment is needed to house the system and to run the tests. i.e. pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in IIITDM Kancheepuram the BIDDER shall confirm that the pre-installation requirements are sufficient for installation of the equipment. In other words the BIDDER should continuously monitor the preinstallation requirements and see that everything is ready before the consignment is taken to the

**18. Installation and Training:**

- i) Bidder shall be responsible for installation/demonstration as applicable and for after sales service during the warranty and thereafter.
- ii) Installation and demonstration to be arranged by the supplier free of cost and the same is to be done within 30 days of the arrival of the equipment at site.
- iii) Necessary training at the Institute for the employees of IIITDM Kancheepuram to be provided.

**19. Performance Bank Guarantee:**

5% Security Deposit in the cost of Purchase Order Value as Performance Bank Guarantee for a period of warranty period plus two months.

**20. Amalgamation/Acquisition etc.:**

In the event the Manufacturer/Supplier proposes for amalgamation, acquisition or sale of its business to any firm during the contract period, the BUYER/Successor of the Principal Company are liable for execution of the contract and also fulfillment of contractual obligations i.e. supply, installation, commissioning, warranty, maintenance/replacement of spares accessories etc. while submitting your bid, you may confirm this condition

**21. Warranty / Support:**

- The items supplied shall carry the warranty as per the requirement mentioned in the technical specification.
- The defects, if any, during the guarantee / warranty period are to be rectified free of charge by arranging free replacement wherever necessary.

**22. Annual Maintenance Contract:**

- The party must mention in the quotation, the rate/amount of annual maintenance charges, if we opt for maintenance contract after expiry of the warranty period. This is mandatory to mention, wherever applicable.
- No sub-contracting will be allowed for installation or maintaining system/ equipment / instrument during or after warranty period.

**23. Indemnity:**

The vendor shall indemnify, protect and save IIITD&M Kancheepuram against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc., or such other statutory infringements in respect of all the items supplied by them.

**24. Freight and Insurance:**

The items to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at IIITD&M Kancheepuram site.

**25. Payment terms:**

**No advance payments are allowed.**

**INR Terms:** 90% payment shall be made against delivery and acceptance of the item by the Institute. The balance 10% is payable after installation, commissioning and demonstration of the whole system to the satisfaction of the Institute upon submission of PBG 5% to cover the warranty period plus 2 months.

**26. Penalty for delayed services / LD:**

- i) As time is the essence of the contract, delivery period mentioned in the purchase order should be strictly adhered to. Otherwise LD clause will be applied / enforced.
- ii) If the supplier fails to supply, and fix the item as per specifications mentioned in the order within the due date, the supplier is liable to pay liquidated damages of 1% of order value for delay of every week or part thereof subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.
- iii) IIITD&M Kancheepuram reserves the right to cancel the order in case the delay is more than 04 weeks and the contractor is not eligible for any damage from the Institute and contractor will forfeit his claim for EMD.

**27. Force Majeure:**

- The Supplier shall not be liable for forfeiture of its performance bank guarantee, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the IIITDM Kancheepuram either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- If a Force Majeure situation arises, the Supplier shall promptly notify the IIITDM Kancheepuram in writing of such conditions and the cause thereof. Unless otherwise directed by the IIITDM Kancheepuram in writing, the Supplier shall continue to



perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**28. Fall clause:**

The commercial offer shall in no way exceed the lowest price at which the contractor sells the stores of identical description to any other person/organization during the currency of the contract

**29. Arbitration:**

All disputes of any kind arising out of supply, commissioning, acceptance, warranty maintenance etc., shall be referred by either party (IIITD&M Kancheepuram or the bidder) after issuance of 30 day's notice in writing to the other party clearly mentioning the nature of dispute and will be referred to the arbitrator to be nominated by Director, IIITD&M Kancheepuram, India. The Venue for arbitration shall be Chennai, India.

**30. Acceptance of the terms and conditions of tender document:**

The bidders have to accept all the terms and conditions of this tender document and it is made known that the bidders quoting for this tender had impliedly accepted the terms and conditions of this tender.

**31. Interpretation of the clauses in the Tender Document:**

In case of any ambiguity / dispute in the interpretation of any of the clause in this tender document, interpretation of Director, IIITD&M Kancheepuram shall be final and binding on all parties. The IIITD&M Kancheepuram reserves the right to accept the offer in full or in parts or reject the offer summarily or partly without assigning any reasons.

**32. Jurisdiction:**

The disputes, legal matters, court issues, if any, shall be subject to Courts in the district of Chengalpattu, Tamil Nadu Jurisdiction only.

**33. The competent authority reserves the right to either accept or reject the tender without assigning any reason.**

Sd/-

कुलसचिव / Registrar  
IIITD&M Kancheepuram

**ANNEXURE-1**
**TECHNICAL BID**
**Technical Compliance Sheet (to be filled and uploaded)**

<b>Name of the Agency</b>	
<b>Office Address:</b>	
<b>Name and Mobile No. of contact person:</b>	

**ITEM: SUPPLY, INSTALLATION, COMMISSIONING, TESTING AND ACCEPTANCE OF HIGH PERFORMANCE COMPUTING (HPC) SYSTEMS, Quantity – 01 No**

Item1: - Master Node		Quantity – 01No		
SL.No	Parameters	Technical Specifications	Compliance Yes/No/N.A	Deviation (If Any)
1.	Form Factor	2U rack mounted with sliding rails		
2.	CPU Configuration	Two numbers of Intel Scalable (Sapphire Rapids or higher), Cores- 64 physical cores Cache- ≥300 MB, Base Frequency 1.9GHz or higher, L3 Socket- LGA4677 Features- AVX-512, Speed Select, SGX, TME, Boot Guard.		
		OEM Should carry the Benchmark report in the Spec.ORG website with the offered CPU with Same System and must submit the benchmark reports along with the technical BID.		
3.	Memory slots	32 DDR5 DIMM slots supporting speeds up to 5600 MT/s or better		
4.	Memory configured	512 GB DDR5 RDIMM, 5600MT/s, in a balanced memory configuration or better.		
5.	Disks supported	12 front hot-swap 3.5"/2.5" NVMe, SAS, SATA drive bay(s) Drives or more		
6.	RAID Controller	Embedded / PCIe based RAID controller 12Gbps speed with support of RAID 0,1,5,6,10,50&60.		

		Must support mix-and-match SAS, SATA, and NVMe drives to the same controller.		
7.	Disks configured	2 x 960GB SATA Data center grade 2.5" Hot plug SSD with 3DWPD or better		
8.	Hard Drives	6 x 20TB SAS 7.2K RPM with 3.5" HDD Hot plug Drives		
9.	PCIe	Server should support upto eight PCI-Express 5.0 x8/x16 slots. Minimum 3 pcie slots required in server		
10.	PORTS	• 2 x USB 2.0		
		• 1 x Dedicated Server Management Port		
11.	Connectivity	Server should be provided with below connectivity:		
		1. 1Gb 4-port network adapters		
		2. 10Gb 2-port SFP+ Ethernet adapter		
		3. Dual Port FC HBA for storage connectivity		
12.	Interconnect	The Single Port adapter should deliver high-bandwidth, low-latency connectivity optimized for data-intensive applications in HPC and AI environments. Cables must be compatible with the InfiniBand adapter and meet industry standards for HDR200Gbps connectivity, ensuring stable, high-performance data transmission across the network		
		Dedicated Server Remote Management Port with all necessary features System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should support server power capping and		

		historical reporting and should have support for multifactor authentication		
13.	Embedded Systems Management	Server should have storage space earmarked to be used as a repository for firmware, drivers and software components. The components can be organized in to install sets and can be used to rollback/patch faulty firmware		
		Server should support agentless management using the out-of-band remote management port		
		The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur.		
		Two factor Authentication		
		Local or Directory-based user accounts with Role based access control		
		Remote console sharing up to 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support. Should provide support for AES and 3DES on browser. Should provide remote firmware update functionality. Should provide support for Java free graphical remote console.		
		Should support RESTful API integration		
		System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support		

		Server should have security dashboard displaying the status of important security features, the Overall Security Status for the system, and the current configuration for the Security State and Server Configuration Lock features.		
		One-button Secure Erase designed to decommission/repurpose servers		
		NVMe wear level display		
		Workload Performance Advisor - Provides server tuning recommendations to improve server performance		
14.	Accelerator (GPU)	Quoted model of server should be qualified for at least 1no, OEM should be listed in Nvidia certified server catalog list details to furnish along with technical bid.		
15.	OS configured	Any Open-source OS		
16.	Certification/Compliances	Windows Server.		
		Red Hat Enterprise Linux (RHEL)		
		SUSE Linux Enterprise Server (SLES)		
		VMware ESXi.		
		Canonical Ubuntu		
		Oracle Linux and Oracle VM		
17.	Power Supply	Dual, Hot-Plug, Power Supply Redundant (1+1), 1600W with minimum 94% efficiency		
18.	Provisioning	1. Should support tool to provision server using RESTful API to discover and deploy servers at scale		
		2, Provision one to many servers using own scripts to discover and deploy with Scripting Tool (STK) for Windows and Linux or Scripting Tools for Windows PowerShell		
19.	Pre-failure alert	Should provide predictive failure monitoring & proactive alerts of actual or impending component failure for fan, power supply, memory, CPU, NIC, HDD		
		<ul style="list-style-type: none"> <li>Real-time out-of-band hardware performance monitoring &amp; alerting</li> </ul>		



		<ul style="list-style-type: none"> <li>Agent-free monitoring, driver updates &amp; configuration, power monitoring &amp; capping, RAID management, external storage management, monitoring of FC, HBA &amp; CNA &amp; system health</li> </ul>		
		<ul style="list-style-type: none"> <li>Out-of-band hardware &amp; firmware inventory</li> </ul>		
20.	Configuration & management	<ul style="list-style-type: none"> <li>Zero-Touch Auto configuration to auto Deploy a baseline server configuration Profile</li> </ul>		
		<ul style="list-style-type: none"> <li>Automated hardware configuration and Operating System deployment to multiple servers</li> </ul>		
		<ul style="list-style-type: none"> <li>Zero-touch repository manager and self-updating firmware system</li> </ul>		
		<ul style="list-style-type: none"> <li>Support for Redfish API for simple and secure management of scalable platform hardware</li> </ul>		
		<ul style="list-style-type: none"> <li>The Management software should be same Make server OEM only.</li> </ul>		
21.	Firmware security	For firmware security, system should support remote management chip creating a fingerprint in the silicon, preventing servers from booting up unless the firmware matches the fingerprint. This feature should be immutable		
		Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware		
22.	Server security	Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber attacks		
		Trusted Platform Module 2.0		
		Should protect against firmware which executes before the OS boots		

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		Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser		
		UEFI Secure Boot and Secure Start support		
		- Silicon-based Hardware Root of Trust		
		- Signed firmware updates.		
		- Secure default passwords		
		- Configuration and firmware drift detection		
		- Persistent event logging including user activity.		
		- Secure alerting		
		- Automatic BIOS recovery		
		- Rapid OS recovery		
		- System erase		
23.	Intrusion alert	Intrusion alert in case chassis cover being opened		
24.	Warranty	5-year onsite comprehensive warranty with a 4-hour response time.		

Item2: - Compute Node		Quantity – 08Nos		
SL.No	Parameters	Technical Specifications	Compliance Yes/No/N.A	Deviation (If Any)
1.	Form Factor	2U rack mounted with sliding rails		
2.	CPU Configuration	Two numbers of Intel Scalable (Sapphire Rapids or higher),Cores- 64 physical cores Cache- ≥300 MB, Base Frequency 1.9GHz or higher, L3 Socket- LGA4677 Features- AVX-512, Speed Select, SGX, TME, Boot Guard.		
		OEM Should carry the Benchmark report in the Spec.ORG website with the offered CPU with Same System and must submit the benchmark reports along with the technical BID.		
3.	Memory slots	32 DDR5 DIMM slots supporting speeds up to 5600 MT/s or better		
4.	Memory configured	512 GB DDR5 RDIMM, 5600MT/s, in a balanced memory configuration or better.		

5.	Disks supported	8 SFF (SAS/SATA/NVMe) chassis is upgraded to support up to 24SFF (front) or Higher		
6.	RAID Controller	Embedded / PCIe based RAID controller 12Gbps speed with support of RAID 0,1,5,6,10,50&60.		
		Must support mix-and-match SAS, SATA, and NVMe drives to the same controller.		
7.	Disks configured	2 x 960GB SATA Data center grade 2.5" Hot plug SSD with 3DWPD or better		
8.	PCIe	Server should support upto eight PCI-Express 5.0 x8/x16 slots. Minimum 3 pcie slots required in server		
9.	PORTS	• 2 x USB 2.0		
		• 1 x Dedicated Server Management Port		
10.	Connectivity	Server should be provided with below connectivity:		
		1. 1Gb 4-port network adapters		
		2. 10Gb 2-port SFP+ Ethernet adapter		
11.	Interconnect	The Single Port adapter should deliver high-bandwidth, low-latency connectivity optimized for data-intensive applications in HPC and AI environments. Cables must be compatible with the InfiniBand adapter and meet industry standards for HDR200Gbps connectivity, ensuring stable, high-performance data transmission across the network		
		Dedicated Server Remote Management Port with all necessary features System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using		

		Media/image/folder; It should support server power capping and historical reporting and should have support for multifactor authentication		
12.	Embedded Systems Management	Server should have storage space earmarked to be used as a repository for firmware, drivers and software components. The components can be organized in to install sets and can be used to rollback/patch faulty firmware		
		Server should support agentless management using the out-of-band remote management port		
		The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur		
		Two factor Authentication		
		Local or Directory-based user accounts with Role based access control		
		Remote console sharing upto 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support. Should provide support for AES and 3DES on browser. Should provide remote firmware update functionality. Should provide support for Java free graphical remote console.		
		Should support RESTful API integration		
		System should support embedded remote support to transmit hardware events directly to OEM or		

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		an authorized partner for automated phone home support		
		Server should have security dashboard displaying the status of important security features, the Overall Security Status for the system, and the current configuration for the Security State and Server Configuration Lock features.		
		One-button Secure Erase designed to decommission/repurpose servers		
		NVMe wear level display		
		Workload Performance Advisor - Provides server tuning recommendations to improve server performance		
13.	Accelerator (GPU)	Quoted model of server should be qualified for at least 2nos, OEM should be listed in Nvidia certified server catalog list details to furnish along with technical bid.		
14.	OS configured	Any Open-source OS		
15.	Certification/Compliances	Windows Server.		
		Red Hat Enterprise Linux (RHEL)		
		SUSE Linux Enterprise Server (SLES)		
		VMware ESXi.		
		Canonical Ubuntu		
		Oracle Linux and Oracle VM		
16.	Power Supply	Dual, Hot-Plug, Power Supply Redundant (1+1), 1600W with minimum 94% efficiency		
17.	Provisioning	1. Should support tool to provision server using RESTful API to discover and deploy servers at scale		
		2. Provision one to many servers using own scripts to discover and deploy with Scripting Tool (STK) for Windows and Linux or Scripting Tools for Windows PowerShell		
18.	Pre-failure alert	Should provide predictive failure monitoring & proactive alerts of actual or impending component failure for fan, power supply, memory, CPU, NIC, HDD		

		<ul style="list-style-type: none"> <li>Real-time out-of-band hardware performance monitoring &amp; alerting</li> </ul>		
		<ul style="list-style-type: none"> <li>Agent-free monitoring, driver updates &amp; configuration, power monitoring &amp; capping, RAID management, external storage management, monitoring of FC, HBA &amp; CNA &amp; system health</li> </ul>		
		<ul style="list-style-type: none"> <li>Out-of-band hardware &amp; firmware inventory</li> </ul>		
19.	Configuration & management	<ul style="list-style-type: none"> <li>Zero-Touch Auto configuration to auto Deploy a baseline server configuration Profile</li> </ul>		
		<ul style="list-style-type: none"> <li>Automated hardware configuration and Operating System deployment to multiple servers</li> </ul>		
		<ul style="list-style-type: none"> <li>Zero-touch repository manager and self-updating firmware system</li> </ul>		
		<ul style="list-style-type: none"> <li>Support for Redfish API for simple and secure management of scalable platform hardware</li> </ul>		
		<ul style="list-style-type: none"> <li>The Management software should be same Make server OEM only.</li> </ul>		
20.	Firmware security	For firmware security, system should support remote management chip creating a fingerprint in the silicon, preventing servers from booting up unless the firmware matches the fingerprint. This feature should be immutable		
		Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware		
21.	Server security	Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber attacks		
		Trusted Platform Module 2.0		
		Should protect against firmware		

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		which executes before the OS boots		
		Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser		
		UEFI Secure Boot and Secure Start support		
		- Silicon-based Hardware Root of Trust		
		- Signed firmware updates.		
		- Secure default passwords		
		- Configuration and firmware drift detection		
		- Persistent event logging including user activity.		
		- Secure alerting		
		- Automatic BIOS recovery		
		- Rapid OS recovery		
		- System erase		
22.	Intrusion alert	Intrusion alert in case chassis cover being opened		
23.	Warranty	5-year onsite comprehensive warranty with a 4-hour response time.		

### Item3: - GPU Node      Quantity – 01No

SL.No	Parameters	Technical Specifications	Compliance Yes/No/N.A	Deviation (If Any)
1.	Form Factor	4U Rack mounted with sliding rails		
2.	CPU Configuration	Two numbers of Intel Scalable (Sapphire Rapids or higher),Cores-64 physical cores Cache- ≥336 MB, Base Frequency 2.4GHz or higher, L3 Socket- FCLGA4710 Features- AVX-512, Speed Select, SGX, TME, Boot Guard.		
		OEM Should carry the Benchmark report in the Spec.ORG website with the offered CPU with Same System and must submit the benchmark reports along with the technical BID.		
3.	Memory slots	24 DDR5 DIMM slots supporting speeds up to 5600 MT/s or better		
4.	Memory configured	1024 GB DDR5 RDIMM, 5600MT/s,		

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		in a balanced memory configuration or better.		
5.	Disks supported	8 SFF (SAS/SATA/NVMe) chassis		
6.	RAID Controller	Embedded / PCIe based RAID controller 12Gbps speed with support of RAID 0,1,5,6,10,50&60.		
		Must support mix-and-match SAS, SATA, and NVMe drives to the same controller.		
7.	Disks configured	2 x 960GB SATA Data center grade 2.5" Hot plug SSD with 3DWPD or better		
8.	PCIe	Server should support upto six PCI-Express 5.0 x8/x16 slots. Minimum 3 pcie slots required in server		
9.	PORTS	• 2 x USB 2.0		
		• 1 x Dedicated Server Management Port		
10.	Connectivity	Server should be provided with below connectivity:		
		1. 1Gb 4-port network adapters		
		2. 10Gb 2-port SFP+ Ethernet adapter		
11.	Interconnect	The Single Port adapter should deliver high-bandwidth, low-latency connectivity optimized for data-intensive applications in HPC and AI environments. Cables must be compatible with the InfiniBand adapter and meet industry standards for HDR200Gbps connectivity, ensuring stable, high-performance data transmission across the network		
12.	Embedded Management Systems	Dedicated Server Remote Management Port with all necessary features System remote management should support browser based graphical remote console along with Virtual Power button, remote boot using USB/CD/DVD Drive. It should be capable of offering upgrade of software and patches from a remote client using Media/image/folder; It should		



		support server power capping and historical reporting and should have support for multifactor authentication		
		Server should have storage space earmarked to be used as a repository for firmware, drivers and software components. The components can be organized in to install sets and can be used to rollback/patch faulty firmware		
		Server should support agentless management using the out-of-band remote management port		
		The server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur		
		Two factor Authentication		
		Local or Directory-based user accounts with Role based access control		
		Remote console sharing upto 6 users simultaneously during pre-OS and OS runtime operation, Console replay - Console Replay captures and stores for replay the console video during a server's last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support. Should provide support for AES and 3DES on browser. Should provide remote firmware update functionality. Should provide support for Java free graphical remote console.		
		Should support RESTful API integration		
		System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for		

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		automated phone home support		
		Server should have security dashboard displaying the status of important security features, the Overall Security Status for the system, and the current configuration for the Security State and Server Configuration Lock features.		
13.		One-button Secure Erase designed to decommission/repurpose servers		
		NVMe wear level display		
		Workload Performance Advisor - Provides server tuning recommendations to improve server performance		
14.	GPU	Two numbers of NVIDIA H200 Tensor Core GPU with 141 GB of HBM2e ,		
		Quoted model of server should be qualified for at least 2nos, OEM should be listed in Nvidia certified server catalog list details to furnish along with technical bid.		
15.	OS configured	Any Open-source OS		
16.	Certification/Compliances	Windows Server.		
		Red Hat Enterprise Linux (RHEL)		
		SUSE Linux Enterprise Server (SLES)		
		VMware ESXi.		
		Canonical Ubuntu		
		Oracle Linux and Oracle VM		
17.	Power Supply	Dual, Hot-Plug, Power Supply Redundant (1+1), 2400W with minimum 96% efficiency or Higher		
18.	Provisioning	1. Should support tool to provision server using RESTful API to discover and deploy servers at scale		
		2, Provision one to many servers using own scripts to discover and deploy with Scripting Tool (STK) for Windows and Linux or Scripting Tools for Windows PowerShell		
19.	Pre-failure alert	Should provide predictive failure monitoring & proactive alerts of		

		actual or impending component failure for fan, power supply, memory, CPU, NIC, HDD		
		<ul style="list-style-type: none"> <li>Real-time out-of-band hardware performance monitoring &amp; alerting</li> </ul>		
		<ul style="list-style-type: none"> <li>Agent-free monitoring, driver updates &amp; configuration, power monitoring &amp; capping, RAID management, external storage management, monitoring of FC, HBA &amp; CNA &amp; system health</li> </ul>		
		<ul style="list-style-type: none"> <li>Out-of-band hardware &amp; firmware inventory</li> </ul>		
20.	Configuration management &	<ul style="list-style-type: none"> <li>Zero-Touch Auto configuration to auto Deploy a baseline server configuration Profile</li> </ul>		
		<ul style="list-style-type: none"> <li>Automated hardware configuration and Operating System deployment to multiple servers</li> </ul>		
		<ul style="list-style-type: none"> <li>Zero-touch repository manager and self-updating firmware system</li> </ul>		
		<ul style="list-style-type: none"> <li>Support for Redfish API for simple and secure management of scalable platform hardware</li> </ul>		
		<ul style="list-style-type: none"> <li>The Management software should be same Make server OEM only.</li> </ul>		
21.	Firmware security	For firmware security, system should support remote management chip creating a fingerprint in the silicon, preventing servers from booting up unless the firmware matches the fingerprint. This feature should be immutable		
		Should maintain repository for firmware and drivers recipes to aid rollback or patching of compromised firmware. Should also store Factory Recovery recipe preloaded to rollback to factory tested secured firmware		
22.	Server security	Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber attacks		

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		Trusted Platform Module 2.0		
		Should protect against firmware which executes before the OS boots		
		Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser		
		UEFI Secure Boot and Secure Start support		
		- Silicon-based Hardware Root of Trust		
		- Signed firmware updates.		
		- Secure default passwords		
		- Configuration and firmware drift detection		
		- Persistent event logging including user activity.		
		- Secure alerting		
		- Automatic BIOS recovery		
		- Rapid OS recovery		
		- System erase		
23.	Intrusion alert	Intrusion alert in case chassis cover being opened		
24.	Warranty	5-year onsite comprehensive warranty with a 4-hour response time.		

Item4: - Storage Server		Quantity -01No		
SL.No	Parameters	Technical Specifications	Compliance Yes/No/N.A	Deviation (If Any)
1.	Storage System Type	The storage array should support dual, redundant, hot-pluggable, active-active array controllers for high performance and reliability		
2.	Hardware Form Factor	Max 2U Rack-mountable		
3.	Total Numbers of Hot-swap Drive Slots	For effective power saving, Storage subsystem shall be supplied with 2.5" Small form factor SFF drives however storage subsystem shall also support LFF drives with the addition of required disk enclosures.		
4.	FC host connectivity	32 Gb		
5.	Cache	Offred Storage Array shall be given with Minimum of 48GB cache / memory per array in a single unit.		

		Cache shall be backed up in case of power failure for indefinite time either using batteries or capacitors or any other equivalent technology.		
		Offered Storage shall also have optional support for Flash cache using SSD / Flash drives. Offered storage shall support at-least 8TB Flash Cache.		
6.	Storage capacity	The storage array will have a raw capacity of 540 TB. It is important to utilize SSD drives, comprising 10% of the total, with capacities of less than 3.84 TB to enhance performance. The remaining storage will be made up of NL-SAS drives.		
7.	Storage drives	SSD,NL-SAS drives For every 16 disks, 1no disk should be configured as a Global hot spare		
8.	No Single point of Failure	1		
9.	HDD/SSD Type	NL-SAS/SATA		
10.	Expansion Drive Enclosures	Max 9		
11.	LFF/SFF array/enclosure mixing	Supported		
12.	Maximum no. of drives per 2U array enclosure	24SFF or 12LFF		
13.	Drive enclosure interface type	12 Gb SAS		
14.	RAID Subsystem	RAID levels supported: 0, 1, 5, 6, 10, Integrated sparing		
		Faster rebuilds, Incremental disk group expansion		
15.	OS Clustering Support	The storage array should support industry-leading Operating System platforms including: Windows 2019 / 2022, VMware and Linux. Offered Storage Shall support all above operating systems in Clustering.		
16.	Automated Tiering	Performance Tier, Standard Tier, Archive Tier		
17.	Data Tiering	The offered storage shall also be licensed for Sub-Lun Data tiering in real time fashion across different type of drives within a given pool like		

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		SSD, SAS, Midline SAS etc. License for same shall be offered for maximum supported capacity of the array		
18.	Performance	Offered storage shall have listed benchmark for performance of more than 700,000 IOPS for 100% random read and more than 14GB/sec for segmented sequential write operations. Vendor shall provide documentary proof for it.		
19.	Management:	Web based GUI for management, Hardware monitoring, SNMP support		
20.	Snapshot Functionality	Proposed Storage should support Snapshot Functionality		
21.	Other	The storage system should support for Un delete Option, Log, Share Access, User Information, Time Stamp and other share operations like File/Directory Creation, Deletion, Read, and Write.		
22.	Warranty	5-year onsite comprehensive warranty with a 4-hour response time.		

Item5: - Server Smart Rack		Quantity – 01No	
S.No	Technical Specifications	Compliance (Yes / No)	Deviation (If Any)
<b>Scope of Work</b>			
1.	This specification covers intelligent integrated/inbuilt infrastructure, standalone system design, engineering, manufacture, assembly, testing at manufacturer's works, supply, delivery at site, unloading, handling, proper storage at site, erection, testing and commissioning at site of complete infrastructure for the proposed Data Centre as detailed in the specification, complete with all accessories required for efficient and trouble-free operations		
<b>Requirements</b>			
2.	Integrated Smart Rack Infrastructure Solution of 02no. Prefabricated rack frame, with integrated Cold and Hot aisle containment of minimum 300 mm each, should cater IT load of minimum 32kW		

3.	Critical Component's for Integrated Smart Racks Data Centre Solution (Rack, UPS, Cooling, rack PDU and monitoring system along with temperature & humidity sensor) should be from same & single OEM for Seamless Integration & better Service		
4.	The complete Integrated Smart Rack solution must be CE certified or tested by third party agency for applicable industry standards i.e EN 62368-1: 2014. The Third-party agency should be following National Accreditation Board, BIS, TEC		
5.	The Integrated Smart Rack OEM should have its own manufacturing & testing facility in India for similar capacity range of Rack, UPS & Precision air conditioning units for high		
6.	<b>Solution shall have following components: -</b>		
7.	<b>In-Row closed loop Air-Conditioning in N+N Redundancy</b>		
8.	Each DX based Inrow Precision Air Cooling solution should deliver more than or equal to 32kW net sensible capacity @ 45°C Ambient Temperature, supply air temperature @ 22±1°C and return air temperature of 35°C. It is mandatory to submit OEM software selection output of the proposed unit.		
9.	Precision Air Conditioner should have following Features:		
10.	Cooling System should be DX (Variable capacity) type		
11.	The unit incorporates a high efficiency DC brushless compressor with a crankcase heater, filter dryer, moisture indicating sight glass, and an electronic expansion valve		
12.	The compressor is equipped with an environment-friendly refrigerant (R410A), and a DC brushless type arrangement with variable capacity operation of 30% to 100%.		
13.	The unit is equipped with a minimum of 08 EC fans. The fan speed is variable and can be automatically regulated by the highly intelligent controller through all modes of operation. The fans pull air through the coil and is located on the front side of the unit. The EC fan has the characteristics of high efficiency, energy saving, space saving and hot swappable. Each unit should be capable of handling up to 8500 CMH with a horizontal airflow pattern.		
14.	Inbuilt Heater (6kW) and Humidifier in each unit		
15.	The unit is equipped with two G4 rated air filters following with EU4, located within the cabinet, and accessible from the rear side of the unit. A filter clog alarm is also available as an option to alert clogging of the filter.		
16.	The unit is equipped with a factory installed electrode humidifier. The conductive rate of water required for electrode humidifying should be within the range of 125 us/cm to 1250 us/cm.		
17.	Micro Processor should have capacity to store up to 1000		

	historical event records		
18.	The condenser must be designed with a fan speed controller and for R410A refrigerant usages, operates at 0 °C to 45°C ambient temperature. The condenser frame is made up of sturdy GI /MS structure and the electrical control box has IP54 protection		
19.	<b>UPS System in N+ N redundancy</b>		
20.	Supply, install, test and commissioning of true online, double conversion, high efficiency, and unity power factor Uninterruptible Power Systems (UPS) rated at 40 kVA with battery backup support for 20 minutes on @rated capacity. UPS shall be of maximum 3U size, rack mountable & backup batteries should be supplied with the necessary arrangements to mount in separate battery rack.		
<b>Detailed Technical Specification – Input</b>			
21.	Rated voltage	380Vac/400Vac/415Vac (Line voltage)	
22.	Voltage range	305-477 VAC	
23.	Frequency range	40Hz ~ 70Hz	
24.	Power factor	≥0.99, at full load; ≥0.98, at half load	
25.	Current THD at full linear load (THDI%)	<3% (for linear load)	
<b>Output</b>			
26.	Rated power	40kW	
27.	Voltage	380Vac/400Vac/415Vac (three phase output)	
28.	Nominal output frequency (Hz)	50/60Hz	
29.	THDv at full linear load (%)	< 2% (linear load); < 5% (non-linear load)	
30.	Inverter overload capacity at 25°C	105~125%, 10 min; 125~150%, 1 min; 150~200%, 5 s	
<b>Efficiency</b>			
31.	Double conversion efficiency	Upto 96%	
32.	ECO Mode Efficiency	Upto 99%	
33.	<b>Battery</b>	Sealed, lead-acid, maintenance-free battery	
34.	<b>Transfer time</b>		
35.	Mains←→Battery	0ms	
36.	Inverter←→Bypass	Synchronous transfer: ≤0ms	
		Asynchronous transfer (default): ≤20ms Or 40ms	
37.	<b>Noise</b>	≤ 65dB	

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38.	Standard & Conformity	IEC/EN 62040-1, IEC/EN 62040-2, VFI-SS-111		
39.	Protection level	IP20		
Ambient condition & Mechanical Parameters				
40.	Operating temperature	0°C ~ 50°C		
41.	Altitude	3000 without derating		
42.	Certification	RoHS Certified, Energy Star Certified, Seismic Certified		
Rack Power Distribution: 02 per rack				
43.	0U, Vertical Rack PDU, 32A, 230V with 18 no. C13 & 06 No. C19 Outlet sockets, 3m power cord with 3P+E (IP44), Black Powder Coat. (02 per rack)			
Electrical Power Distribution				
44.	DB Panel should be mounted on to the utility rack with all internal cabling integrated into the same. Essential MCB/MCCB should be provided with an electrical system. DB panel mounted on Utility rack shall be covered with Novec 1230/FK-5-1-12 Gas based fire suppression system. The electrical panels to support power input with Energy Meter compatible to HMI for Power Usage Monitoring.			
Fire Safety, Security & Access Control				
45.	Fire detection and suppression system should be mounted in utility rack adjacent to Smart Racks to avoid consumption of any usable U space. It should have Fire alarm and fire suppression unit and the fire suppression agent should be NOVEC 1230/FK-5-1-12 Gas as per NFPA guidelines.			
46.	IP based Biometric Access Control System shall be provided to serve the objective of allowing access to authorized personnel only. The front & rear rack doors will be provided with magnetic locks. Front & rear door will operate on fail-safe principle through one common Biometric access control system.			
47.	The Integrated Smart Rack Data Center Infrastructure should be covered with Rodent repellent system			
48.	IP Based CCTV camera to be provided for live monitoring at Integrated Smart Rack Data Center Infrastructure			
Environmental Controls				
49.	Intelligent Integrated rack should include basic environmental controls: Smoke Detector, Water Leak Detection system, Temperature & Humidity Sensor with display with 6 Temp. sampling point per rack, Door Sensor, Alarm beacon			
Rack frame and U Space				
50.	2 Nos. 42 U,800 mm x 1200 mm IT Racks with integrated hot & cold aisle containment of minimum 300 mm each. The solution should have Min 74 U space available for IT and network equipment.			

51.	Rack frame is, scalable and modular with safe load carrying capacity of 1000 Kg		
52.	Colour shade of Rack is RAL 7021/RAL 9005		
53.	Base plinth with 100 mm height		
54.	Cable entry provision from top & bottom both side of rack		
55.	Cut outs with rubber/brush grommet on top and bottom cover of rack for cable entry		
56.	Vertical Cable manager on both LHS & RHS on rear side		
57.	Each rack should have front glass door for complete 42U height visibility & rear steel split door integrated with common Biometric access control panel.		
58.	Thermally insulated cold aisle chamber		
59.	Blanking panels to prevent air mixing		
60.	Fixed Shelf to be provided		
61.	Plastic Cable duct on vertical LH & RH section of racks for cable routing		
62.	Front Rack doors to be provided with Biometric Access Control with 02 nos. of Electromagnetic lock per door		
63.	Gas spring to be provided on front doors of racks		
64.	Status based LED light to be provided on each rack		
65.	Each rack enclosure should be physically separated through caged partition at cold & hot aisle to avoid unauthorized access from one rack to another.		
<b>Monitoring</b>			
66.	Detailed Monitoring & Diagnostics through Rack Data Unit ,1U rack mountable, with redundant input power supplies & capable of single window monitoring of all the environmental parameters like temperature, humidity, door access, smoke etc. along with UPS & air conditioning through a single window dashboard over ethernet & Capable for sending Email Alerts		
67.	The monitoring unit should support basic protocols like Telnet, SSH, FTP, SFTP, HTTP, HTTPS, NTP, DHCP, DNS Server, smtp, TCP/IP4. It should support a network interface of 10/100M self-adaptable Ethernet ports. The monitoring unit should support IPMI protocol to enable feature to Access server Service Processor. The Monitoring unit should have a feature to enable graceful shutdown of the IT servers supporting IPMI Protocol.		
68.	Monitoring unit should be integrated with energy meter of the Smart rack DB Panel & should be able to monitor the Main Input power Voltage, Current, power consumption.		
69.	The Monitoring unit should satisfy CE allege, UL, CE, FCC and RoHS		
70.	The Monitoring unit should support up to 32 T&H sensors with features to scale up to 80 sensors with additional cards, if		

	required.		
71.	Minimum 9inch touch screen HMI – Graphical User Interface display should be mounted on the Integrated smart rack solution for graphically monitor Cooling unit, UPS, iPDU, environmental parameters & real time PUE.		
72.	Installation, Commissioning, Testing & Handover with 2 Hr Training		
73.	WARRANTY - 5 YEARS ( OEM standard warranty for Batteries)		

ITEM -6 Primary Network Switch -1 No		Compliance Yes/No/N.A	Deviation (If Any)
HDR InfiniBand 200Gb/s Switch-IB 40 QSFP56 Ports 2 Power Supplies (AC) Unmanaged Standard Depth P2C			
Airflow Rail Kit			
Warranty	5 years Comprehensive Warranty (onsite/parts/labor)		

ITEM -7 Secondary Communication Network: 2 Nos		Compliance Yes/No/N.A	Deviation (If Any)
24 x 10/100/1000 SFP+ Managed switch with Redundant Power Supply			
5 years Comprehensive Warranty (onsite/parts/labor)			

ITEM -8 - Installation & Commissioning, Qty – 1 Nos		Compliance Yes/No/N.A	Deviation (If Any)
Parameters	Description		
Operating System	64 bit Enterprise Linux operating system		
Resource Manager & Scheduler (Job Scheduler with following features)	Job monitoring and management		
	Workload cum resource manager with policy-aware, resource-aware and topology- aware scheduling		
	Advance reservation support		
	Heterogeneous cluster support		
	Multi-cluster support		
	Pre-emptive and backfill scheduling support		
	GPU Aware Scheduling.		
	Application integration support		
	Live reconfiguration capability		
Compilers/Libraries	Libraries - Open MPI, MVAPICH, Blas 1,2,3, Lapack, Scalapack Compilers - GNU Compilers		

HPC Management (Commercially License in the name of Purchaser with 5 Years Support)	Unified system management, monitoring toolset for configuration, diagnosis, and management of the system, Cluster manager with provisioning, monitoring, and reporting capabilities. Support Package and Image based provisioning. Support Disk full and diskless cluster deployment. Intuitive web interface to manage and customize the cluster. Customizing networks and compute node profiles through GUI Customizing compute nodes (up to changing kernel parameter). Able to Push configuration changes and updates to the compute nodes without reinstalling and rebooting. NOTE: In case bidder wishes to offer open source-based software utility, then the same must be Supported by the OEM server. The OEM/bidder can enclose a declaration copy that the supporting open-source software from the respective OEM server. Offered Stack must have been deployed by OEM / Bidder earlier as well as part of HPC Solution.		
Application Suites	NAMD, MATLAB, LAMMPS, NWCHEM, GROAMCS, VASP and more research codes/software to be loaded as part of the installation process by the bidder. Commercial Application must be provided by the end user.		
Deep Learning Software Stack (Containerized Support)	1.CUDA toolkit, 2.CUDA tuned Neural Network (cuDNN), Primitives TensorRT Inference Engine, 3. DeepStream SDK Video Analytics, 4.CUDA tuned BLAS, 5.CUDA tuned Sparse Matrix Operations (cuSPARSE), 6.Multi-GPU Communications (NCCL), 7.Kubernetes 8.TensorFlow, 9.Caffe, 10.Pytorch, 11.Theano, 12.Keras, 13.Caffe2, 14.CNTK (Data sheet of the Deep learning software stack must be enclosed along with the bid) 15.Jupyter notebook for multiuser remote support		
Warranty	5 years comprehensive warranty for Hardware & software's.		

**MINIMUM ELIGIBILITY CRITERIA FOR SMART RACK**

The Smart Rack OEM should adhere & comply with the following minimum eligibility criteria for the bid:

- a) Critical Component's for Integrated Smart Racks Data Centre Solution i.e Rack, UPS, Cooling, intelligent rack PDU and monitoring system along with temperature & humidity sensor should be from same & single OEM for Seamless Integration & better Service Supports.
- b) The complete Integrated Smart Rack solution must be CE certified or tested by third party agency for applicable industry standards i.e EN 62368-1: 2014. The Third-party agency should be following National Accreditation Board, BIS, TEC accreditation / Recognition.
- c) The Smart rack OEM should have at least 10 years of experience in executing similar works (Similar works means – "SITC of Integrated Smart Rack Infrastructure of minimum 04 rack configuration with Inrow Cooling units") in Central/State/PSU Organizations. Completion Certificate, as proof of experience, signed by the concerned authorities to be submitted along with the bid.
- d) The Smart Rack OEM must have executed a minimum of 05 Integrated Smart Rack Data Centre projects, with minimum 02 rack configuration in each project, during the last 3 years from the bid submission date in any reputed organization. Completion Certificate signed by the concerned authorities to be submitted along with the bid.
- e) OEM Service Support for Major Equipment's: Smart Rack OEM or Manufacturer should have its own service center.
- f) The Smart Rack OEM should have at least two qualified and experienced DC certified professionals like CDCP/CDCS/CDCE/ATD on their company payroll.
- g) Smart Rack OEM or Manufacturer should be ISO 9001: 2000, ISO 14001, ISO/IEC 27001:2013 and ISO 45001 certified.
- h) Smart rack OEM should have its own manufacturing & testing facility in India for offered or similar capacity range of Rack, UPS & Precision air conditioning units for high availability of the proposed solution. Supporting document/undertaking regarding the same to be submitted along with the bid.

S.NO	Other Terms & Conditions
1.	OEM MAF is mandatory with respect to this BID Number.
2.	The Bidder / OEM should not be suspended/blacklisted/debarred from any of the Government organization /Institutions across India ever.
3.	The Bidder should have an office in any part of South India preferably in Tamilnadu. Details of service location to be provided.
4.	The Bidder/OEM should be in the HPC business for at least the past 10 years. Necessary Proof for the same to be submitted.
5.	Required Datasheet of hardware and software must be enclosed along with the bid.
6.	Complete system should have 5 years onsite comprehensive warranty including installation.

7.	The Bidder should offer a minimum of 1 day of training to the administrator and required faculties and should be agreed to provide training whenever required.
8.	The bidder should offer to install and successfully execute the number of computing software provided by the IIITDM KANCHEEPURAM.
9.	Regular support is to be provided by the OEM/Bidder which includes reinstallation (whenever required) of the HPC complete system, regular firmware, and software upgrades during the complete warranty period without any extra cost.
10.	Master Node, Compute Node, GPU Node, Storage Nodes and Network Switch should be from the same OEM to avoid any kind of incompatibility / conflict etc.
11.	In case of breach of Terms & Conditions, Bidder may be suspended from being eligible for bidding in any contract with the IIITDM KANCHEEPURAM up to 2 Years from the date of Tender.
12.	Delivery to IIITDM KANCHEEPURAM is essential for this requirement. Hence, Vendors are informed to enclose letters from Server OEM/Bidder and HPC Networking Bidder indicating the delivery timeline.
13.	Warranty status of the offered system to be reflected in the OEM webpage for easy monitoring.

**Note: The total cost will be taken into account for arriving L-1.**

**ELIGIBILITY CRITERIA**

Sl. No	Description		Compliance Yes/No/N.A.	Page No.
1.	Technical Sheet	The technical bid compliance sheet & Eligibility Criteria <b>(Annexure-1)</b>		
2.	EMD	All participating vendors have to submit a EMD of Rs. 15,00,000/- and the scanned copy of EMD payment proof along with the Bid must be uploaded. (Bids without EMD payment will be summarily be rejected) <b>(Annexure-2)</b>		
3.	Bid Security Declaration	Bid Security Declaration form <b>(Annexure-3)</b>		
4.	Declaration of Local Content	Declaration of Local Content <b>(Annexure-4)</b>		
5.	Authorization Letter from OEM	<b>(Declaration from OEM to be enclosed for the following)</b> <ul style="list-style-type: none"><li>Manufacturer’s Authorization &amp; Warranty Support Declaration <b>(Annexure-5)</b></li><li>Bidders shall quote only those products inthe bid which are not obsolete in the market and has at least 5 years residual market life i.e. the offered product shall not be declared end-of life by the OEM before this period. <b>(Annexure-6)</b></li></ul>		
6.	Experience Certificate	<b>Experience Certificate:</b> Should have Supplied <b>Three</b> similar equipment (each costing Rs.3.00 Crores and above excluding taxes) to reputed organizations/ research institutions/ Universities etc. in India during the past <b>TEN YEAR</b> i.e., from FY 2015-16 to 2024-25 (PO copies without any alteration/modification and copies of installation report for the mentioned PO to be enclosed) <b>(Anneuxre-7)</b>		
7.	Leaflet	Product Leaflet <b>(Annexure-8)</b>		
8.	Declaration Regarding Clean Track/No Legal Action <b>(Annexure-9)</b>			
9.	Annual Maintenance Contract <b>(Annexure-10)</b>			
10.	Acceptance Of Tender Terms <b>(Annexure-11)</b>			
11.	No Relation Certificate <b>(Annexure-12)</b>			
12.	Pre-Contract Integrity Pact <b>(Annexure-13)</b>			
13.	Bid Validity	180 Days		
14.	Total Number of pages uploaded in the technical bid			
Please Enclose Relevant Document Only.				

\*\*\*

**ANNEXURE-3**

(To be printed in the letter head of the bidder)

**Bid Security Declaration form**

Date: \_\_\_\_\_

Tender No. \_\_\_\_\_

To (insert complete name and address of the purchaser)

I/We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported with EMD.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of two year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.
- c) The EMD will be forfeited.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

**Signature of Bidder**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organization Name:** \_\_\_\_\_

**Contact No.:** \_\_\_\_\_

**ANNEXURE-4**

**SELF-CERTIFICATION REGARDING LOCAL CONTENT (LC) FOR GOODS, SERVICES OR WORKS  
ISSUED BY OEM UNDER PREFERENCE TO MAKE IN INDIA ORDER CERTIFICATE FOR CLASS-I or  
CLASS- II LOCAL SUPPLIER OR NON LOCAL SUPPLIER**

Tender No.: \_\_\_\_\_; Date: \_\_\_\_\_

Date: [insert date (as day, month and year) of Bid Submission]

We hereby declare that the items under our Quotation  
No. \_\_\_\_\_ in the brand name of  
\_\_\_\_\_ & (equipment details)  
\_\_\_\_\_ are manufactured at  
(complete address) \_\_\_\_\_.

Hence, it contains the local content of: \_\_\_\_\_% as defined under the Make in India  
policy of the Department for Promotion of Industry & Internal Trade, DPIIT, Govt. of India.

The value addition for the local content is done at (Name of the place & address)  
\_\_\_\_\_.

The Country of Origin of the item(s) is/are \_\_\_\_\_.

**Further, it is declared that finished Equipment is not imported and local Content not  
calculated on the basis of Transportation, Insurance, Installation, Commissioning, and Training  
& after sales services. But Equipment is Manufactured/Assembled in India at out Factory  
address\_\_\_\_\_.**

The false declaration will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of  
the General Financial Rules of which a bidder or its successors can be debarred for up to two  
years as per Rule 151(iii) of the General Financial Rules along with such other actions as may be  
permissible under Law.

We also declare that the goods are not manufactured in a country that shares its land  
border with India nor the beneficial owner belong to those country.

We shall be held responsible if the certificate is found to be incorrect.

Seal and Signature of OEM & Bidder

**ANNEXURE-5**

**Manufacturer's Authorization & Warranty Support Declaration**

(ON OEMs Letter head)

Date:

Tender No: \_\_\_\_\_

To  
The Director,  
IIITDM Kancheepuram,  
Chennai – 600127.

We, \_\_\_\_\_ [name of Manufacturer], who are official manufacturers of (Insert type of goods manufactured) having factories at (insert full address of Manufacturer's factories), do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following goods, manufactured by us [insert name and or brief description of the goods], and to subsequently negotiate and sign the contract.

We hereby extend our full guarantee, warranty, availability of spare parts and AMC support in accordance with the Terms and Conditions of Contract with respect to the Goods offered herein.

Authorized representative of the Manufacturer

Authorized representative Bidder

Signature:

Signature:

Name:

Name:

Address:

Address:

Mobile No:

Mobile No:

**ANNEXURE-6**

**Manufacturer's Authorization for Product Continuity Certificate**

(ON OEMs Letter head)

Date:

Tender No: \_\_\_\_\_

To  
The Director,  
IIITDM Kancheepuram,  
Chennai – 600127.

We, \_\_\_\_\_ [name of Manufacturer) hereby certify that the product herein quoted with its design, model and all technical specifications mentioned \_\_\_\_\_ [insert name and or brief description of the goods] in the tender will remain and have sales and service support in the market for at least 5 years of residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

Authorized representative of the Manufacturer

Authorized representative Bidder

Signature:

Signature:

Name:

Name:

Address:

Address:

Mobile No:

Mobile No:

**ANNEXURE-7**
**Past Experience details**

**Experience Certificate:** Should have Supplied **Three** similar equipment (HPCs) (each costing Rs.3.00 Crores and above excluding taxes) to reputed organizations/ research institutions/ Universities etc. in India during the past **TEN YEAR** i.e., from FY 2015-16 to 2024-25 (PO copies without any alteration/modification and copies of installation report for the mentioned PO to be enclosed)  
(Past Experience details)

List of Organizations for whom the bidder has undertaken such work in India.  
(must be supported with Purchase orders)

Name of the organization	Name of Contact Person and Designation, email ID and Phone number	Purchase Order Number, date and Value	Copy of Purchase Orders and Installation and (Page no.) along with value

**Note: Without submission of relevant Purchase orders, experience will not be considered.**

**Signature of Bidder**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organization Name:** \_\_\_\_\_

**Contact No.:** \_\_\_\_\_



**ANNEXURE-9**

**DECLARATION REGARDING CLEAN TRACK/NO LEGAL ACTION**

(to be provided on letter head of the firm)

I hereby certify that the above firm namely \_\_\_\_\_ is neither blacklisted by any Central/State Government/Public Undertaking/Institute nor any criminal case registered / pending against the firm or its owner / partners anywhere in India.

I also certify that the above information is true and correct in any every respect and in any case at a later date it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm blacklisted.

Date:

Authorized Signatory

Name:

Place:

Designation:

Contact No.:



**ANNEXURE-10**

**ANNUAL MAINTENANCE CONTRACT**

We hereby certify that the Annual Maintenance Contract for the equipment, after expiry of warranty period will be charged as follows:

**For Comprehensive AMC**

- 1) 1<sup>st</sup> year \_\_\_\_ % of the equipment value
- 2) 2<sup>nd</sup> year \_\_\_\_% of the equipment value
- 3) 3<sup>rd</sup> year \_\_\_\_% of the equipment value.

**For Non - Comprehensive AMC**

- 1) 1<sup>st</sup> year \_\_\_\_ % of the equipment value
- 2) 2<sup>nd</sup> year \_\_\_\_% of the equipment value
- 3) 3<sup>rd</sup> year \_\_\_\_% of the equipment value.

We also certify that the spares for the equipment will be available for the equipment for \_\_\_\_ years.

**(This rate will not be part of the commercial bid evaluation for arriving L-1)**

Date:

Authorized Signatory

Place:

Name:

Designation:

Contact No.:



**ANNEXURE-11**

**ACCEPTANCE OF TENDER TERMS  
(To be given on Company Letter Head)**

Date: DD/MM/YYYY

To,  
The Director,  
IIITDM Kancheepuram,  
Chennai – 600127.

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: \_\_\_\_\_

Name of Tender /  
Work:

Dear Sir,

1. I / We have downloaded / obtained the tender documents (s) for the above mentioned "Tender" from the web site(s) namely \_\_\_\_\_ as per your advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc .,), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)



**ANNEXURE-12**

**NO RELATIONSHIP CERTIFICATE  
(To be given on Company Letter Head)**

1. I/We hereby certify that I/We\* am/are\* related/not related (\*) to any officer of IIITDM Kancheepuram. (If Related provide the details of the employee)
2. I/We\* am/are\* aware that, if the facts subsequently proved to be false, my/our\* contract will be rescinded with forfeiture of E.M.D and security deposit and I/We\* shall be liable to make good the loss or damage resulting from such cancellation.
3. I//We also note that, non-submission of this certificate will render my / our tender liable for rejection.

Date:

Authorized Signatory

Place:

Name:

Designation:

Contact No.:



**ANNEXURE-13**

**IEMs DETAILS:**

(a) Any complaints related to this tender should be reported to the Independent External Monitors (IEMs) through email. Details of the IEMs are as follows:

- Shri Umesh Kumar, IPS (Retd.)  
House No.60, 2<sup>nd</sup> Floor, M.G. Road, River Front  
Near Vivekananda Kendra, Uzan Bazar  
Guwahati 781001.  
E-mail: umeshkumar84@rediffmail.com
- Shri Amrit Lugun, IFS (Retd.)  
A1/37, First Floor,  
Safdarjung Enclave,  
New Delhi – 110029.  
E-mail: asha74lugun@gmail.com

(b) The Integrity Pact is deemed as part of the contract in order to ensure that the parties are bound by the recommendation of the IEMs, in case any complaint relating to the contract, is found substantiated.



**ANNEXURE-13**

**The specimen of the Pre-Contract Integrity Pact which is part of tender documents is as follows:**

**INTEGRITY PACT**

This INTEGRITY PACT is made and executed at \_\_\_\_\_ on this day of \_\_\_\_\_ 2025

**BY AND BETWEEN**

Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram (IIITDM Kancheepuram), an autonomous organization under Ministry of Education, Govt of India having its campus at Melakkottaiyur, Off Vandalur-Kelambakkam Road, Chennai – 600127, Tamil Nadu (hereinafter referred to as “The Principal” which term or expression shall, unless excluded by or repugnant to the subject or context, mean and include its successor-in-office, administrators or permitted assignees) of the First Part;

**AND**

M/s. \_\_\_\_\_ a company incorporated under the Companies Act \_\_\_\_\_ through its representative/ authorized signatory \_\_ (Name and Designation of the Officer) having its office at \_\_\_\_\_ (hereinafter referred to as “The Bidder/Contractor” which terms or expression shall, unless excluded by or repugnant to the subject or context, mean and include its successor-in-office, administrators or permitted assignees) of the Second Part.

**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 and of fairness/transparency in its relations with its Bidder(s) and/or Contractor(s).

In order to achieve these goals, the Principal had appointed the Independent External Monitors (IEMs), who will monitors 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 personal is not legally entitled.
  - 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 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 himself 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 persons 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 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 cartelization 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)/Contractors will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or documents 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)/Contractor(s) of foreign origin shall disclose the name and address of the

Agents/representatives in India, if any. Similarly, the bidder(s)/contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. All the payments made to the India agent/representative have to be in Indian Rupees only.

- 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. The 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 on 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 contract**

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 to terminate the contract, if already signed, for such reasons.

### **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 Section3, or if the Principal is entitled to terminate the contract according to Section3, 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 organization/ company in any country or with any other 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 and appropriate action can be taken including termination of the contract, if already awarded, for such reason.

### **Section 6: Equal treatment of all Bidders / Contractors / Subcontractors.**

- 1. In case of sub –contracting, the Principal Contractor shall take the responsibility of adoption

of Integrity Pact by the Sub – Contractor.

2. The Principal will enter into agreements with the 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 violation Bidder(s) / Contractor(s) / Sub-contractors(s).**

If the Principal obtains knowledge of conduct of a Bidder(s)/ Contractor(s) 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 Monitors/Monitors**

1. The Principal appointed competent and credible Independent External Monitors for this Pact after approval of Central Vigilance Commission. The task of the Monitors is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitors is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. The Monitors will have access to all contract documents, whenever required. It will be obligatory for him to treat the information and documents of bidders /contractors as confidential. He reports to the Director, IIITDM Kancheepuram.
3. The Bidder(s)/Contractor(s) accepts that the Monitors 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 Monitors, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Sub-contractors.
4. The Monitors is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/Subcontractor(s) with confidentiality. The Monitors has also signed declarations on “Non – Disclosure of Confidential Information” and of “Absence of Conflict of Interest” In case of any conflict of interest arising at a later date, the IEM shall inform the Director, IIITDM Kancheepuram.
5. The Principal will provide to the Monitors 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 Monitors the option to participate in such meetings.
6. As soon as the Monitors 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 monitors can in this regard submit non-binding recommendations. Beyond this, the Monitors has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

7. The Monitors will submit a written report to the Director, IIITDM Kancheepuram 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.
8. If the Monitors has reported to the Director, IIITDM Kancheepuram, a substantiated suspicion of an offence under relevant IPC/PC Act, and the Director, IIITDM Kancheepuram has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitors may also transmit this information directly to the Central Vigilance Commissioner.

### **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 Bidder 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 the Director, IIITDM Kancheepuram.

### **Section 10: Other Provisions**

- This agreement is subject to Indian Law. Place of performance and jurisdiction is the registered office of the Principal i.e. Chennai, Tamil Nadu.
- Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- If the contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 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.
- Issues like Warranty/Guarantee etc. shall be outside the purview of the IEMs.
- In the event of any contradiction between the Integrity Pact and its Annexure, the clause in the Integrity Pact will prevail.



(For & on behalf of the Principal)

(For & on behalf of Bidder/Contractor)

(Office Seal)

(Office Seal)

Place : \_\_\_\_\_

Date : \_\_\_\_\_

Witness 1 (Name & Address):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness 2 (Name & Address):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness 1 (Name & Address):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness 2 (Name & Address):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_