भारतीय सूचना प्रौद्योगिकी, अभिकल्पना एवं विनिर्माण संस्थान, कांचीपुरम

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DESIGN AND MANUFACTURING, KANCHEEPURAM

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Minutes of Pre-Bid Meeting

Tender Notice No.	IIITDMK/25-26/SP/HPC/023 Dt27/02/26
Brief Description of Tender	SUPPLY, INSTALLATION, COMMISSIONING, TESTING AND ACCEPTANCE OF HIGH PERFORMANCE COMPUTING (HPC) INCLUDING SMART RACK SYSTEMS
Date and Time of Pre-bid meeting	12th March 2026 – 11:00 HRS at IIITDM Kancheepuram / Hybrid Mode

1. At the outset, the committee welcomed the representative of the Prospective Bidders and briefed the scope and salient requirements of the tender
2. The following queries were raised by the bidders during the meeting:

SI. No	Nodes	Parameter	Description	Vendor Queries	IIITDM- Technical Clarifications
1.	Master Node	PCIe (Tender Technical Document SI No. 9)	Server should support upto eight PCI-Express 5.0 x8/x16 slots. Minimum 3 pcie slots required in server	Please amend as Server should support upto Seven PCI-Express 5.0 x8/x16 slots.	The specification mentioned in the tender document stands unchanged. Bidders are required to comply with the stated requirement of supporting up to eight PCI-Express 5.0 x8/x16 slots, with a minimum of three PCIe slots.
2.		Connectivity (Tender Technical Document SI No. 11)	Point No: 3 Dual Port FC HBA for storage connectivity	Please confirm the Bandwidth 16Gbps/32Gbps	It is clarified that the Dual Port FC HBA for storage connectivity should support minimum 16 Gbps or Higher bandwidth per port.
3.		Embedded Systems Management (Tender	Remote console sharing up to 6 users simultaneously during pre-OS and OS runtime operation, Console replay -	Kindly amend as Min 2 Users instead of 6 and remove 3DES on browser	The specification mentioned in the tender document stands unchanged.

		Technical Document SI No. 13)	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.		Bidders are required to comply with the stated requirement .
			NVMe wear level display	Please remove	
4.	Master Node	Accelerator (GPU) (Tender Technical Document SI No. 14)	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.	Kindly amend as "Quoted Server must has provision for 1 No. of dual width active GPU for future expansion. Server OEM smust be the Solution Provider partner for Nvidia. Details to furnish along with technical bid.	Quoted model of server should be qualified for at least 1no . OEM should either be listed in the NVIDIA Certified Server Catalog OR the OEM should be an authorized NVIDIA solution provider partner.
5.		Certification/Compliances (Tender Technical Document SI No. 16)	SUSE Linux Enterprise Server (SLES), Oracle Linux and Oracle VM	Please Remove	The specification mentioned in the tender document stands unchanged. The proposed server must support SUSE Linux Enterprise Server (SLES), Oracle Linux, and Oracle VM .
6.		Server Security (Tender Technical Document SI No. 22)	Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser	Please remove Triple Data Encryption Standard (3DES) on browser	The query has been examined. The specification is revised as follows: "Advanced Encryption Standard (AES) on browser." Triple Data Encryption Standard (3DES) requirement is removed.
7.		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,	HDR technologies are reaching their end-of-life phase in the market. Hence we request you to revise this to NDR. NDR offers significantly higher bandwidth, lower latency, and longer solution lifespan.	The specification is revised as follows: "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 HDR (200 Gbps) or higher (including NDR 400

			ensuring stable, high-performance data transmission across the network		Gbps) connectivity, ensuring stable, high-performance data transmission across the network."
8.	Compute Node	Disks supported (Tender Technical Document SI No. 5)	8 SFF (SAS/SATA/NVMe) chassis is upgraded to support up to 24SFF (front) or Higher	For computing this many drives will not required. Please Confirm.	The specification mentioned in the tender document stands unchanged. The server chassis should be capable of being upgraded from 8 SFF to support up to 24 SFF (front) drives or higher, to meet future scalability and expansion requirements.
9.		RAID Controller (Tender Technical Document SI No. 6)	Embedded / PCIe based RAID controller 12Gbps speed with support of RAID 0,1,5,6,10,50&60.	As per the tender specification, a total of 2 × 960GB SSDs has been requested, We would like to confirm that in this case, a dedicated RAID controller (12Gbps) with support for RAID 0, 1, 5, 6, 10, 50, and 60 is not required, since the onboard RAID functionality is sufficient to meet the RAID 1 requirement. However, if the tender scope is extended to include support for multiple RAID levels (0, 5, 6, 10, 50, 60), then a 12Gbps RAID controller would be necessary. Kindly confirm whether the requirement is limited to RAID 1, or if broader RAID level support is expected.	The specification mentioned in the tender document stands unchanged. The server should be equipped with an embedded / PCIe-based 12Gbps RAID controller supporting RAID levels 0, 1, 5, 6, 10, 50, and 60. The requirement is intended to support future scalability and multiple RAID configurations beyond the initially proposed disk setup.
10.		PCIe (Tender Technical Document SI No. 8)	Server should support upto eight PCI-Express 5.0 x8/x16 slots. Minimum 3 pcie slots required in server	Please amend as Server should support upto 4 PCI-Express 5.0 x8/x16 slots.	
11.		Embedded Systems Management (Tender Technical Document SI No. 12)	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	Kindly amend as Min 2 Users instead of 6 and remove 3DES on browser	The specification is revised as follows: Remote console sharing for up to 6 users simultaneously during pre-OS and OS runtime operation. Support for AES encryption on browser. 3DES requirement is removed.

			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.		
			NVMe wear level display	Please remove	The specification mentioned in the tender document stands unchanged. The server should provide NVMe wear level display functionality.
12.		Accelerator (GPU) (Tender Technical Document SI No. 13)	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.	Kindly amend as "Quoted Server must has provision for 1 No. of dual width active GPU for future expansion. Server OEM smust be the Solution Provider partner for Nvidia. Details to furnish along with technical bid.	The specification mentioned in the tender document stands unchanged. Bidders are required to quote a server model that: Is qualified for at least 2 NVIDIA GPUs, and The OEM is listed in the NVIDIA Certified Server Catalog.
13.		Certification/Compliances (Tender Technical Document SI No. 15)	SUSE Linux Enterprise Server (SLES), Oracle Linux and Oracle VM	Please Remove	The specification mentioned in the tender document stands unchanged. The proposed server must support SUSE Linux Enterprise Server (SLES), Oracle Linux, and Oracle VM .
14.		Server Security (Tender Technical Document SI No. 21)	Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser	Please remove Triple Data Encryption Standard (3DES) on browser	The query has been examined. The specification is revised as follows: "Advanced Encryption Standard (AES) on browser." Triple Data Encryption Standard (3DES) requirement is removed.
15.	Compute Node	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	HDR technologies are reaching their end-of-life phase in the market. Hence we request you to revise this to NDR. NDR offers significantly higher bandwidth, lower latency, and longer solution lifespan.	The specification is revised as follows: "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 HDR (200 Gbps) or higher (including NDR 400 Gbps) connectivity, ensuring stable, high-

					performance data transmission across the network.”
16.	GPU Node	RAID Controller (Tender Technical Document SI No. 6)	Embedded / PCIe based RAID controller 12Gbps speed with support of RAID 0,1,5,6,10,50&60.	As per the tender specification, a total of 2 × 960GB SSDs has been requested, We would like to confirm that in this case, a dedicated RAID controller (12Gbps) with support for RAID 0, 1, 5, 6, 10, 50, and 60 is not required, since the onboard RAID functionality is sufficient to meet the RAID 1 requirement. However, if the tender scope is extended to include support for multiple RAID levels (0, 5, 6, 10, 50, 60), then a 12Gbps RAID controller would be necessary. Kindly confirm whether the requirement is limited to RAID 1, or if broader RAID level support is expected.	The specification mentioned in the tender document stands unchanged. The server should be equipped with an embedded / PCIe-based 12Gbps RAID controller supporting RAID levels 0, 1, 5, 6, 10, 50, and 60. The requirement is intended to support future scalability and multiple RAID configurations beyond the initially proposed disk setup.
17.		Embedded Systems Management (Tender Technical Document SI No. 12)	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.	Kindly amend as Min 2 Users instead of 6 and remove 3DES on browser	The specification is revised as follows: Remote console sharing for up to 6 users simultaneously during pre-OS and OS runtime operation. Support for AES encryption on browser. 3DES requirement is removed.
			NVMe wear level display	Please remove	The specification mentioned in the tender document stands unchanged. The server should provide NVMe wear level display functionality.

18.	GPU Node	GPU (Tender Technical Document SI No. 14)	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.	Kindly amend as "Quoted Server must has provision for Min. 6 Nos. of dual width GPUs for future expansion. Server OEM smust be the Solution Provider partner for Nvidia. Details to furnish along with technical bid.Offered GPU Server Model must be Qualified by NVIDIA.	The specification mentioned in the tender document stands unchanged. Bidders are required to quote a server model that: Is qualified for at least 2 NVIDIA GPUs, and The OEM is listed in the NVIDIA Certified Server Catalog.
19.		Certification/Compliances (Tender Technical Document SI No. 16)	Windows Server, RHEL, SUSE Linux Enterprise Server (SLES), VMware ESXi, Canonical Ubuntu, Oracle Linux and Oracle VM	Please Remove	The specification mentioned in the tender document stands unchanged. The proposed server must support SUSE Linux Enterprise Server (SLES), Oracle Linux, and Oracle VM .
20.		Server Security (Tender Technical Document SI No. 22)	Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser	Please remove Triple Data Encryption Standard (3DES) on browser	The query has been examined. The specification is revised as follows: "Advanced Encryption Standard (AES) on browser." Triple Data Encryption Standard (3DES) requirement is removed
21.		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	HDR technologies are reaching their end-of-life phase in the market. Hence we request you to revise this to NDR. NDR offers significantly higher bandwidth, lower latency, and longer solution lifespan.	The specification is revised as follows: "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 HDR (200 Gbps) or higher (including NDR 400 Gbps) connectivity, ensuring stable, high-performance data transmission across the network."
22.	Storage Server	Hardware Form Factor (Tender Technical Document SI No. 2)	Max 2U Rack-mountable	Kindly amend as Max 4U Rack-Mountable	The specification mentioned in the tender document stands unchanged. The server must be maximum 2U rack-mountable to meet the intended data center space and deployment requirements.
23.		Storage capacity (Tender Technical Document SI No. 6)	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	As you are asking for total 540TB Raw in Max 24/12 drive bays Requesting you to amend 540TB	The specification mentioned in the tender document stands unchanged. The requirement is for a storage array with a raw capacity of 540 TB, comprising 10%

			than 3.84 TB to enhance performance. The remaining storage will be made up of NL-SAS drives. Or Higher	Raw Capacity will be required by using JBOD.	SSDs (<3.84 TB) for performance and the remainder NL-SAS drives, in a 24 SFF or 12 LFF chassis or higher.
24.		Maximum no. of drives per 2U array enclosure (Tender Technical Document SI No. 12)	24SFF or 12LFF		
25.		Expansion Drive Enclosures	Max 9	Kindly amend as Max 2	The query has been examined. The specification mentioned in the tender document stands unchanged. The storage solution should support a maximum of 9 expansion drive enclosures to meet the intended scalability and future storage growth requirements.
26.	Primary Network Switch	HDR InfiniBand 200Gb/s Switch-IB 40 QSFP56 Ports 2 Power Supplies (AC) Unmanaged Standard Depth P2C		HDR technologies are reaching their end-of-life phase in the market. Hence we request you to revise this to NDR. NDR offers significantly higher bandwidth, lower latency, and longer solution lifespan.	Accepted -NDR InfiniBand 400Gb/s Switch – 40 QSFP56/56-DD Ports, 2 Power Supplies (AC), Unmanaged, Standard Depth.
27.	Secondary Communication Network	24 x 10/100/1000 SFP+ Managed switch with Redundant Power Supply		As all the nodes has desired for 10G SFP+ so requesting you to go with 10G SFP+ Switch	Accepted - 24 x 10G SFP+ Managed switch with Redundant Power Supply
28.	Other Terms & Conditions	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.		Master Node, Compute Node, GPU Node, Storage Nodes must be from same OEM	Accepted - Master Node, Compute Node, GPU Node and Storage Nodes should be from the same OEM to avoid any kind of incompatibility / conflict etc.
29.	Master Node / 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		HDR technologies are reaching their end-of-life phase in the market. Hence we request you to revise this to NDR. NDR offers significantly higher bandwidth, lower latency, and longer solution lifespan.	The query has been examined. The specification is revised as follows: "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 NDR (400 Gbps) connectivity, ensuring stable, high-performance data transmission across the network."
30.	Compute Node	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		HDR technologies are reaching their end-of-life phase in the market. Hence we request you to revise this to NDR.	

		HDR200Gbps connectivity, ensuring stable, high-performance data transmission across the network	NDR offers significantly higher bandwidth, lower latency, and longer solution lifespan.	All other terms and conditions remain unchanged.
31.	GPU Node	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	HDR technologies are reaching their end-of-life phase in the market. Hence we request you to revise this to NDR. NDR offers significantly higher bandwidth, lower latency, and longer solution lifespan.	
32.	Primary Network Switch	HDR InfiniBand 200Gb/s Switch-IB 40 QSFP56 Ports 2 Power Supplies (AC) Unmanaged Standard Depth P2C	HDR technologies are reaching their end-of-life phase in the market. Hence we request you to revise this to NDR. NDR offers significantly higher bandwidth, lower latency, and longer solution lifespan.	
33.	Experience Certificate	I. Two POs (either in the name of BIDDER or OEM only) each costing Rs.5.00 Crores and above excluding taxes to reputed organizations/ research institutions/ Universities etc. in India during the past TEN YEAR i.e., from FY 2016-17 to 2025-26 (PO copies without any alteration/modification and copies of installation report for the mentioned PO to be enclosed). (OR) II. Three POs (either in the name of BIDDER or OEM only) 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 2016-17 to 2025-26 (PO copies without any alteration/modification and copies of installation report for the mentioned PO to be enclosed).	As OEM we generally execute orders from customers through partners only. Hence the PO copies will be addressed to & in the name of our partners. Hence we kindly request you to accpet the PO references in the name of partners who are not bidding in the tender also. We as OEM will given an undertaking in this regard.	The P.O. should be either in the name of OEM or partner who is bidding for the tender.
34.	Bid Validity	Bids should have a validity of 180 days. The technical offer should not contain any information on price.	In the current unprecedent scenario prevailing globally in IT industry we will have difficulty in mainitining the price validity . Hence we kindly request you to revise the validity to 30 days.	The bid validity period is 60 days from the last date of tender. The Institute will strive to release the P.O. within 45 days.

35.	Delivery Period / Timelines:	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	In the current unprecedent scenario prevailing globally in IT industry & war scenario we will have difficulty in supplying the hardware in this period. Hence we kindly request you to revise the delivery to 28 weeks	The Delivery period revised to 28 weeks.

3. The terms & conditions of the notice issued on our IIITDM Kancheepuram website www.iiitdm.ac.in and CPPP portal will remain unchanged. No more correspondence in this regard will be entertained. All the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before submitting their bids as stipulated in the Bidding Documents.
4. **The DUE DATE OF SUBMISSION OF TENDER IS EXTENDED TILL <u>27.04.2025 03.00 PM.</u>**
5. The meeting ended with vote of thanks to the Chair.

Sd/-
Registrar
IIITDM Kancheepuram