

	INDIAN INSTITUTE OF TECHNOLOGY BOMBAY MATERIALS MANAGEMENT DIVISION Powai, Mumbai 400076.
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Ref. PR No. 1000052693

RFX. No. 6100002726

Item Description :- GPU SERVER

Technical Specifications:

Sr No	Item Description	Detailed Technical Specification	Quantity	Technical Compliance (Yes / No)	Additional Information (if any)
1	Processor	<ul style="list-style-type: none"> • Cores: 64 cores per processor, hyper-threaded • Processor Base Frequency: 3.2 GHz or higher per core per processor • Max Boost Clock: Up to 4.4 GHz per core per processor • Cache Size: 256 MB total L3 cache per processor • Memory Support: DDR5 up to 6400 MT/s (Gen 5 compatible), 12 memory channels • CPU Socket: SP5 • TDP: 360W (configurable TDP 320-400W) 	2		
2	Motherboard	<ul style="list-style-type: none"> - Supports minimum 2 processors (dual CPU sockets) - Memory DIMM Slots: 24 DIMM slots, supporting DDR5 5600 MHz RDIMM and LRDIMM (or more as processor supports) - PCI Expansion Slots: 11 x PCIe 5.0 slots 2 x PCIe x8 Gen 5 slots 10 x PCIe x16 Gen 5 slots (should support 8 GPUs/Accelerators) <ul style="list-style-type: none"> - Should support web-based BMC/IPMI (with all the required Licences) - Networking: Onboard four RJ45 10 Gigabit Ethernet ports 	1		
3	Memory Option	64 GB Registered ECC DDR5 5600 MHz(or more as CPU supports) Evenly populated or distributed	12		

4	OS	1 TB SATA/NVME SSD for OS. Configure in RAID 1	2		
5	Storage	2 TB SATA SSD	4		
6	Chassis with PSU	4/6U Chassis with support for 8 GPUs/Accelerators 16 x 3.5"/2.5" Front Hot-swap Storage Bays Efficient cooling with hot-swappable redundant fans (<i>at least 10 fans</i>) and dedicated air tunnels Onboard 4 x 10GbE LAN ports and 1 x Management Port 2+2 Redundant 3000W 80 PLUS Titanium Power Supply with required number of cables. Dimension should not be more than 800mm x 440mm x 175mm With a proper railing kit for mounting.	1		
7	Accelerator	Accelerator Memory = 96 GB GDDR7 with error-correcting code (ECC) Memory Bandwidth = 1597GB/s Number of CUDA Cores or equivalent = 24,064 System Interface = PCIe 5.0 x16 Power Consumption = 300W Thermal Solution = Active OR Passive	6		

Terms and conditions:

System Management	The server should have pre-failure alerts for Processors, Memory and Hard Disk drives along with other important components Provision for Hardware LED Indication should be available for the Drive Activity, Drive Failure, Drive Locator
Remote Management	OEM based Advanced License version for Remote Presence of the server shall be provided from the respective server OEM
Operating System Certification/ Compatibility	Ubuntu Server 24.04 LTS (x64) or later or subsequent equivalent.
Warranty	Minimum 3 years on site Comprehensive Warranty with 24 X 7 with 6 hours or better response time.
Installation	The vendor has to install the OS and configure the server on IIT Bombay premises for optimum performance and during the installation, remote assistance will not be entertained.

Service center	Presence of a service center in Mumbai (address proof to be submitted)
Training	On Site.
Delivery period	within 30 days.
Delivery Address	Room No. KR323,3rd Floor KReSIT Building, IIT Bombay, Powai , Mumbai 400076
Delivery on site	The vendor shall provide prior intimation of the delivery date and time, and shall ensure that the equipment is delivered and placed diligently at the designated laboratory address. The vendor may visit the lab premises prior (with intimation and permission) to see and estimate before submission of the quotation.