

National Wind Tunnel Facility
Indian Institute of Technology, Kanpur

Enquiry No.: AE/SM/2024-25/01

Opening Date: May 17, 2024

Closing Date: May 27, 2024

Subject: Workstation (Quantity: 1 No.)

Quotation for the item mentioned above is requested in a sealed envelope. The quotation should reach on or before May 27, 2024, at the address given below.

Specifications for workstation

SL No.	Feature	Minimum Technical Specifications
1	Processor	Intel® Xeon® w7-2475X Processor, 2.60 GHz, 37.5 MB Intel® Smart Cache, Core 20
2	Chipset	Intel® W790 chipset
3	BIOS	BIOS of the Workstation to have tool for Enhanced security features like Passwords, and regular checks.
4	RAM	512GB (8x64GB) DDR5 4800 DIMM ECC REG Memory and system should have 8 DIMM Slots. All slots should be on the motherboard itself. Workstation should support up to 2 TB Memory with compatible CPU's.
5	Drive Controllers	Primary Storage with Up to 2 x M.2 SSD's & Secondary Intel SATA controller - 6 Nos with 6Gbps speed
6	Hard Disk	512GB M.2 Nvme SSD 4TB SATA ENT 7200 RPM HDD. System should support additional 2 x M.2 SSD & 5 x SATA 3.5 HDD
7	Graphics	The system should support up to Double-width GPU for future expansion.
8	Bays	2 x External 5.25" 4 x Internal 3.5" 1 x optical Drive Bay
9	Slots	Minimum requirement: 3 x PCIe x16 Gen5, 1 x PCIe x4 Gen4 Dedicated for M.2 SSD's - 2 x PCIe x4 Gen4 for PCIe over M.2 SSD's up to 2 nos. of M.2 SSD's
10	Ports	Front: 2 USB 3.0, Rear: 4 x USB 3.2 Gen1 Type-A ,1 x USB 3.2 Gen2 Type-C port 1 x 1G LAN & 1 X 10G Port
11	Wireless Connectivity	NA
13	Audio	High-Definition Integrated Audio.
14	Power Supply	1200 Watts 80% Efficient
15	Chassis	Completely tool-less chassis, Provision for handles in front and rear side. Provision for Kensington lock and Panel lock required.

		The system should be a rack-mountable Option in the Future.
16	Operating System Certification	Certified for any commercial flavour of Linux, Certificate copy to be submitted.
17	Additional Software	The system should be preloaded with Precompiled frameworks (CPU & GPU optimized MxNet, CuDNN, Caffe and PyTorch) to be supplied with the system, the license must be in name of the Customer organization, the Datasheet of utility must be submitted with the bid. Licensed-based unified system management/monitoring utility with JOB scheduling capabilities on a single System. OEM Commercial S/W utility only be acceptable. A detailed datasheet should be submitted with bid documents.
18	Vendor Status	Vendors should have ISO and e-waste certifications. OEM/Vendor must have Bureau of Indian Standards certification for the Workstation product category and necessary documents must be provided.
19	System Security	Secure Boot (Firmware and Bios Level Security), Hardware root of trust/Dual Root of Trust, Malicious Code Free Design (Certified by OEM), Network card secure firmware boot, Detail mentioned document must be submitted with technical bid.
21	Cooling Solution	Air-cooled forced convection.
22	Warranty	3 Years Onsite
23	Operating System	Ubuntu

TERMS & CONDITIONS:

- **PRICES:** FOR IIT Kanpur
- **DELIVERY:** Maximum 4-6 weeks
- **VALIDITY:** Minimum 60 days.
- **WARRANTY:** At least three years onsite
- **PAYMENT:** 100 % after delivery and successful installation.

Address for correspondence:

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