



भारतीय प्रौद्योगिकी संस्थान कानपुर
INDIAN INSTITUTE OF TECHNOLOGY KANPUR
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Tender Document for the Purchase of Computer Workstation

Enquiry No: IITK/CSE/2021-2022/01 dated 7th January 2022

Department of Computer Science and Engineering, Indian Institute of Technology Kanpur invites quotation from companies and firms for Computer Workstation. Detailed specifications and as well as terms and conditions are given below:

Workstation Required: 1 Nos.

Technical Specification

Sr. No.	Features	Qualifying Minimum Requirements
1	Processor	Dual Intel Xeon 4216 2.1 16C
2	Chipset	Intel C622
3	RAM	128GB (4x32GB) DDR4 2933 ECC memory; 6 channel Memory support with Total 12 DIMM Slots with 2 CPU's
4	Drive Controllers	Onboard 6-Channel SATA @ 6Gb/s (RAID 0,1, and NCQ) Optional MicroSemi SAS Controller
5	Hard Disk	Z Turbo Drv M.2 1TB TLC SSD 4TB 7200 SATA Enterprise 3.5in
6	Graphics Card	NVIDIA Quadro T400 2GB (3)m DP Graphics
7	Bays	2 x External 5.25" 2 x Internal 2.5" / 3.5" 2x M.2PCIe Gen 3 x4 Slots Slim Optical Drive Bay
8	Slots	2 x PCIe x16 Gen3 3 x PCIe x4 Gen3 1 x PCIe x8 Gen3 All PCIe slots should be open-ended.
9	Security	Self-Healing BIOS with Enhanced security, BIOS controlled electro-mechanical internal chassis lock for the system. Inbuilt Utility to securely erase your data; once applied data should not be recoverable.
10	Ports	Front: 4 USB 3.1, 1 Headset Audio, 1 Microphone Rear: 6 USB 3.1, 2 USB 2.0, 2x RJ-45 integrated Gigabit LAN (1x supporting AMT), 2 PS/2, 1 Audio Line-In, 1 Audio Line-Out,
11	Keyboard and Mouse	Minimum 104 keys USB Keyboard and USB Optical Scroll mouse
12	Audio	High-Definition Integrated Audio with Internal speaker.
13	Power Supply	Minimum 1000W 90% Efficient Power supply with 2 Graphics Power adapter EPEAT Silver certification for the system model. Power supply should support standalone self-test.
14	Chassis	Completely tool less chassis with handles in front and rear side. Provision for Kensington lock and Panel lock required. Integrated handles on the chassis. System should be rack-mountable.
15	Operating	Linux Ready System should be certified for running RHEL and

	System	SLED.
16	Remote Collaboration Solution	<p>Hardware or Software based Remote Collaboration system which can help remotely access 3D data across network has to be supplied with the system.</p> <ul style="list-style-type: none"> - It should allow collaboration between multiple participants on an OpenGL 3D or DirectX applications. - It should support One to One for remote work and One to many for collaboration with keyboard and mouse control. - Application should be stateless and should not transfer actual data over the network. - Pixel information or images should be 128 SSL encrypted. - Should work on both Linux and Windows, and should be inter-operable.
17	Additional Software	<p>1. The hardware vendor should supply an automatic system performance tuning and monitoring software.</p> <p>2. The tuning software should have modules for resource monitoring over a long period of time, and should be capable of showing GPU utilisation (GPU, Graphics memory and Codec activity) for both Graphics and GPU Compute cards.</p> <p>3. A complete Offline Diagnostics and Asset Discovery software suite should be supplied along with the system.</p>
18	Warranty	3 years onsite parts and labour warranty for system and monitor
19	Vendor Status	The hardware vendor should be a reputed concern, having global presence in multiple countries. Vendor should have ISO certifications.

Terms & Conditions:

- 1 Installation and maintenance (for three years) should be done by supplier.
- 2 Testing of the product onsite is mandatory.
- 3 In case of problem in workstation reporting time should not be more than 3 hrs & resolving time should not be more than 24 hrs.
- 4 All quotations must contain complete technical details of the product.
- 5 Bidder must Submit Case Specific OEM Authorization Letter.
- 6 Full details of the standard configuration of equipment along with accessories and technical literature should be provided. The standard configuration must be accompanied by associated brochure giving the complete and clear configuration of the system offered.
- 7 Regular supports will be provided by technician regarding queries and problems faced by students while using workstation.

Sealed quotations should be sent to the below mentioned address latest by 19th January 2022 before 5:00pm. Quotations received after that time or in non-sealed envelopes will not be considered.

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