



# भारतीय प्रौद्योगिकी संस्थान कानपुर Indian Institute of Technology Kanpur

पदार्थ विज्ञान एवं अभियांत्रिकी विभाग  
DEPARTMENT OF MATERIALS SCIENCE & ENGINEERING

अमरेन्द्र के. सिंह  
प्राध्यापक

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Enquiry No.: MSE/AKS/INH/DPCS/2022/01

**Bid Start Date: July 27, 2022**

**Bid End Date: August 08, 2022**

We are interested in purchasing **Desktop PC Systems (total number of PC required = 34)** having specifications along with our terms and conditions appended on pages 2 – 3. Sealed quotations are invited for the same. *All the quotations and the supporting documents should reach the undersigned latest by 05:00PM on August 08, 2022.*

**Quotations shall be in two parts:**

- (i) **Part-I (Technical):** This should contain all the technical details cum specifications, supporting documents requested, general arrangement drawings and sample images of the products. Technical compliance of the above specification and make's should be clearly specified. It should contain unpriced bid along with terms and conditions, warranty, taxes etc. This should be submitted inside a sealed envelope and marked as "Technical Bid."
- (ii) **Part-II (Financial):** The commercial bid of the above items, containing pricing along with commercial terms and conditions, should be submitted inside another sealed envelope and marked as "Financial Bid."

**For bid related queries, bidders are requested to send emails to [anuragp@iitk.ac.in](mailto:anuragp@iitk.ac.in) from their official email ids only within 3 days after bid start date (i.e. July 30, 2022); no query shall be entertained thereafter.**

**Specifications:**

<b>SN o</b>	<b>Item</b>	<b>Specifications</b>
1	Form Factor	Tower/Micro Tower/Mini Tower
2	Chassis	Tool-less Chassis (Tool-less Hard Drive, Memory & Optical drive Removal)
3	Chipset	Commercial Class Intel® Q470 Chipset
4	Processor	Intel® 10th Generation Core i5-10500 Processor 3.1 GHz base frequency Up to 4.5 GHz max. turbo frequency 12 MB cache, 6 cores, 12 thread vPro Enabled
5	Memory	8 GB DDR4-2666 Memory expandability up to 64 GB with 2 DIMM Slots
6	Storage	256GB M.2 2280 PCIe NVMe Solid State Drive, SMART IV ( Self-Monitoring, Analysis and Reporting Technology) or equivalent Should capable to Support RAID Blu-Ray Writer Drive
7	Graphics	Intel® UHD Graphics 630
	Audio	Integrated audio controller with intenal speaker of atleast 2W
8	Operating System	Linux (Ubuntu/Fedora latest stable version)
9	Networking	Integrated Intel Gigabit 10/100/1000 Ethernet Controller
10	Ports	Video: 1 Display Port 1.4 ,1 HDMI 1.4
		USB:4 USB 2.0, 3 USB 3.2 Gen 1, 2 USB 3.2 Gen 2
11	Slots	2 PCI Express v3.0 x1 1 PCI Express v3.0 x16 2 M.2
		Integrated 5-in-1 SD card reader, 3 SATA Ports
12	Bays	2 Internal , 1 External bay
13	Keyboard	USB Wired Keyboard (Same OEM as desktop)
14	Mouse	USB Optical Wired Mouse (Same OEM as desktop)
15	Power Supply	260 W with 92% efficiency or better
16	Volume	No More than 16 L
17	Security	Hardware based endpoint security controller TPM 2.0 Integrated Intrusion Sensor Support for chassis cable lock devices & Support for chassis padlocks devices Drive lock option for SSD to secure Data Integrated protection from malware that lurks on malicious websites Integrated real-time detection and prevention of zero-day threats and advanced persistent threat (APT) attacks for Windows applications

18	Manageability	Out of band Management independent of the operating system state and power state of PC Integrated utility to enables hardware level testing outside the operating system & Driver updates should be available on OEM Website for download
19	Certifications	DOS FCC,CE, RoHS, UL, EPEAT, Energy Star ISO 9001,14001,20001,27001 for OEM
20	Display	19.5" with Minimum resolution of 1600x900, with VGA , HDMI Ports, TCO 8.0 Certified (Same OEM as desktop)
21	Warranty	3 Years onsite warranty on each component

**Terms and Conditions:**

1. Please send complete technical details of the product.
2. Installation will be done by the supplier.
3. OS [Linux (Ubuntu/Fedora latest stable version)], software specified by the buyer (open-source) and all the drivers required will be installed by the supplier.
4. The suppliers, who have local stationed engineers, may be given preference.
5. Payments terms As per IIT Kanpur Norms.
6. Warranty 3 years on site service warranty (24x7) on each component
7. The bidder should be either OEM or his authorized dealer/distributor having its registered office in Kanpur to provide sales, 24x7 support.
8. The Bidder should submit case specific Manufacturer's Authorization Format along with the bid for each of the products quoted. Bids not accompanied by valid OEM MAF shall be rejected.
9. Quotations should be valid for a minimum period of 3 months.