



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL, SRINIVASNAGAR, MANGALORE-575025

Date:31/07/2024

Corrigendum No. 01

With reference to the Bid for “**DESKTOP COMPUTER**” for Ref. Number. “**GEM/2024/B/5161596**”
Dated: **15/07/2024** please note the following:

1. The Department of Electronics and Communication Engineering, specification of the processor feature may be read as **13th Generation Intel ® Core™ i7-13700 (30 MB cache, 16 cores, 24 threads, 2.10 GHz to 5.10 GHz turbo, 65 W)** instead of 13th Generation Intel ® Core™ i7-13700 (24 MB cache, 14 cores, 20 threads).
2. The Revised specification of the Department of Metallurgical and Materials Engineering is enclosed in **Annexure – A**.
3. **Full support of Running Average Power Limits (RAPL)**, which is an Intel specific feature, is required by the students to do their projects.
4. a. Last Date and Time for submission of tender is extended up to 4.00 p.m. on 12/08/2024
b. Date of opening of technical bid: 12/08/2024 @ 04:30 p.m

Sd/-

ASSISTANT REGISTRAR (Purchase)

Department of Metallurgical and Materials Engineering

Technical Specifications for Desktop Computer System

Quantity- 1

S. No.	Description	Technical Specification
1.	Make & Model	To be specified by supplier (Only a Business/Enterprise series of TOWER desktop to be quoted) The brand quoted and the vendor should not be black listed in any of Govt., Semi-Govt. or similar entities. (Self-attested declaration should be submitted with respect to same) The bid will be accepted only from the Original Equipment Manufacturers (OEM) or its authorized suppliers
2.	ISO Certification	Manufacturing facility/brand should be ISO 9001:2015, ISO 14001:2015 & ISO/IEC 27001: 2013 certified.
3.	Form Factor	Tower Model 13 Litres or higher capacity
4.	CPU	Intel® Core™ i9-13900 Processor Intel® UHD Graphics 770 (36 MB cache, 24 cores, 32 threads, 2.00 GHz to 5.20 GHz turbo, 65 W) Intel® vPro® Technology
5.	Chipset	Commercial Class Intel® Q670 Chipset
6.	Memory	32GB(2x16GB), DDR5, 4400MHz or higher, Expandable up to 128GB with 4 DIMM Slots or higher
7.	Graphics	Integrated Intel® UHD Graphics or higher
8.	SSD	M.2 2230 512GB PCIe NVMe Solid State Drive or higher
9.	HDD	1 TB SATA 7200 rpm, 3.5" or higher
10.	Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support
11.	Bays	Minimum 1 slim ODD; 1 removable M.2 SSD bay; Two 3.5"
12.	Ports	Front: 1 No. headphone/microphone combo; 4 No. SuperSpeed USB Type-A; 1 No. SuperSpeed USB Type-C®; Rear: 3 No. USB Type-A, 3 No. USB 2.0 Type-A; 1 No. HDMI 1.4b; 1 No. RJ-45; 1 No. audio line-in/line-out; 2 No. DisplayPort™ 1.4a.
13.	Keyboard & Mouse	104 Keys wired Multimedia USB Keyboard and wired USB Optical Scroll Mouse (Should be same make as Desktop Computer)
14.	Slots	1 M.2 2230; 2 PCIe 3 x1; 1 PCIe 3 x16 (wired as x4); 2 M.2 2280; 1 PCIe 4 x16 (1 M.2 2230 slot for WLAN and 2 M.2 2280 slots for storage)
15.	Power Supply	260W 92% efficient, wide-ranging, active PFC or higher (Mention SMPS Power wattage).

16.	Monitor	23.8" FHD Monitor with Minimum resolution of 1920x1080, IPS with LED backlight, with DisplayPort, VGA, HDMI, TCO 8.0 Certified (Same OEM as desktop and Model should be mentioned).
17.	Operating System	Genuine Windows 11 Pro 64 Bit factory Preloaded with single key recovery & Ubuntu-latest version dual boot
18.	Additional Software	MS Office, Standard Academic Version
19.	Ethernet	10/100/1000 Mbps on-board integrated Network Port with remote booting facility remote system installation
20.	OS Certification	Windows 11 Professional & Linux latest version
21.	Other Regulatory Certification & Environmental Standards	BIS (Quoted Model number BIS Certificate should contain Indian Factory Address) ROHS, CE, EPEAT Registered, Energy Star qualified, TCO Certified, CEL, Eco-label.
22.	Warranty	5-Years Comprehensive Onsite OEM Warranty Including Genuine Windows 11 Professional Operating System, Monitor, Keyboard & Mouse should be from the same OEM. In case of HARDWARE breakdown, service calls must be attended to onsite by BRAND/OEM engineer directly within 24 Hours. In case of downtime more than 72 hours, a standby must be provided Post installation online warranty checking for the supplied product against the supplied system serial number should be possible from the brand/OEM website 5-year product warranty including Windows 11 Professional Operating System, Monitor, Keyboard & Mouse should reflect in the support web site of the OEM. Dedicated Toll-Free number for support/service by the brand/OEM should be available. <i>Supplier should provide at least one resident service engineer in NITK Campus for attending service calls immediately.</i>
23.	Installation	Supplier has to send the Technician for complete installation on-site (at NITK, Surathkal).
24.	Diagnostics and software updates	Brand/OEM must have an online system hardware diagnostic facility. Must have the facility to download and update the pre- installed software, device drivers and firmware on its websites