Department of Electrical Engineering

Sub.: Purchase of branded desktop PCs (Quantity=5)

Please send sealed quotation, to undersigned, for the same. Attach compliance sheet mentioning details of your system against following specifications.

Specifications:

S.No	Feature	Specification
1	**Processor**	Intel® 7th Generation Core i7 Quad Core CPU with minimum clock speed of 3.6 GHz, 8MB Cache or better
2	**Chipset**	Intel Q270 chipset with option for V Pro Processor
3	**Motherboard**	OEM Motherboard with OEM logo embossed on the motherboard (No Sticker)
4	**Memory**	16 GB DDR4 RAM expandable to 64GB; Four DIMM slots; Non-ECC dual-channel upto 2400 MT/s DDR4 SDRAM
5	**Hard Disk Drive**	1TB HDD, 7200 RPM, SATA III 6 Gbps, SMART IV
6	**Optical Drive**	Super Multi DVD Writer
7	**Graphics**	Integrated Graphics
8	**Audio**	High Definition Integrated Audio with Internal Speaker
9	**Ethernet**	Integrated Gigabit (10/100/1000 NIC) LAN
10	**Slots**	Minimum 2 low profile PCI/PCIe Slots (2 x PCIex16) 2x (M.2 PCIe)
11	**Bays**	Minimum 4 bays with at least (1) 3.5" Drive bays & (1) 2.5" drive bay (1) ODD bay
12	**Ports**	**Front I/O** 2X USB 2.0 ports, including 1 fast charging, 2X USB 3.0 Ports 1 USB Type C 3.5mm headphone output and microphone jack **Rear I/O** 2X USB 2.0 ports, 4X USB 3.0 Ports 1X VGA video port; 2X DisplayPort/DVI-D Port 1X RJ-45 network connector 1X RS-232 serial port 3.5mm audio in/out jacks
13	**Form Factor**	**SFF (Small Form Factor)**
14	**Power Supply**	180 W active PFC Power Supply 80 PLUS Bronze 85% eff at 50% load
15	**Keyboard/Mouse**	USB 104 keys keyboard (Same make as PC) USB 2 Button Scroll Mouse (Same make as PC)
16	**Operating System**	Genuine Microsoft Windows 10 Pro 64-bit
17	**Diagnostic Tool**	Inbuilt Pre-Boot BIOS Diagnostics

18	**Security**	TPM 2.0 Security Chip SATA 0,1 port disablement (via BIOS) Serial, USB enable/disable (via BIOS) Solenoid Lock / Hood Sensor Support for chassis padlocks and cable lock devices Drive Lock Boot Sectors Protection Drive Protection System Power On Authentication
20	**Compliance And Certification**	Energy Star ver 6 EPEAT Certified for India for the quoted form factor and monitor Green Peace rating of 5.5 and above
21	**System Weight / Volume**	Weight should be no more than 4.6 KG and volume no more than 7.8 L
22	**Information Accessibility**	Product details, specifications and brochure to be available in public domain
23	**Support**	Drivers should be available for download from OEM site for at least 3 years from the date of purchase order
24	**Market Credibility**	The OEM vendor should be of positive net worth for the last three years
25	**Monitor**	23-inch 1920X1080 or higher IPS Panel LED backlit with TCO 6.0 Monitor must have same port as CPU, so that it is connected without extra connector.
26	**Warranty**	3 years onsite warranty.
27	Firm's authorization	1. The bidder must be authorized by the manufacturer or OEM to supply, install and maintain the system. 2. The firm should have successfully delivered and installed at least 25 nos. similar systems in any Central Govt. Organization, preferable R&D and Premier Educational Institutions (attach proof).

Additional details – One desktop will have memory of 64GB. Please quote this upgrade separately.

Note:

1. **Attach compliance sheet.**
2. Quotation must be valid for 90 days.
3. Send complete details of the product(s) provided by OEM (brochure etc.). Bids will be rejected if complete details are not provided.
4. Delivery period should not be more than 4 weeks and delivery should be at IIT Kanpur.
5. Payments terms: 90% on installation and 10% satisfactory report
6. Price must include all taxes and charges. All prices are to be FOR IIT Kanpur.

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