Technical Specification of Desktop Computers

S. No.	Feature	Specifications
1	Processor	Intel® 10th Generation Core i7-10700 with minimum clock speed of 2.9GHz and Turbo Boost upto 4.8GHz, 8 Cores, 16MB Cache or better
2	Chipset	Intel Q470 Chipset or Higher
3	Motherboard	OEM Motherboard with OEM logo embossed on the motherboard (No Sticker)
4	Memory	16 GB DDR4 RAM expandable to 128 GB; Four DIMM slots; Non-ECC dual-channel upto to 2933 MT/s DDR4 SDRAM or Higher
5	Hard Disk Drive	1TB SATA 7200 RPM 3.5" SATA + M.2 256GB PCIe NVMe SSD
6	Optical Drive	8x DVD Writer
7	Graphics	2 GB Dedicated graphics card
8	Audio	High Definition Integrated Audio with Internal Speaker
9	Ethernet	Integrated Gigabit (10/100/IOOO NIC) LAN
10	Wireless	Inbuilt Wi-Fi 6 AX200/1 or higher
11	Slots	Minimum 4 PCI/PCIe slots (1x PCIe 16,1x PCI /1 x PCIex4, 1 x PCIex I, or more) & 2x (M.2 PCIe)
12	Bays	Minimum 4 bays with at least (I) 3.5" Drive bays & (2) 2.5" drive bay (I) ODD bay
13	Ports	10 or more no. of USB Ports, out of which minimum 4 ports should be in front for easy accesss 1 Universal audio jack for headphone / Mic (1) HDMI video port; (2) DisplayPort/DVI-D Port (1) RJ-45 network connector (1) RS-232 serial port (Optional) 1 Audio-out 1 Audio in
14	Form Factor	Tower
15	Power Supply	260W or less wattage Power Supply with 90% or higher efficiency
16	Keyboard/Mouse	USB 104 keys keyboard (Same make as PC) USB 2 button Scroll Mouse (Same make as PC)
17	Operating System	Genuine Microsoft Windows 10 Pro 64-bit OEM version(preloaded), shouldn't require activation on reinstallation. Using Opensource OS, warranty should not be void in any case.
18	Diagnostic Tool	Inbuilt Pre-Boot BIOS Diagnostics
19	Security	TPM 2.0 Security Chip SATA 0, I port disablement (via BIOS) Serial, USB enable/disable (via BIOS) Solenoid Lock / Hood Sensor/Intrusion Detection Support for chassis padlocks and cable lock devices Drive Lock Power On Authentication/ Boot Sectors Protection / Drive Protection System
20	Compliance & certification	Energy Star for the quotes desktop & Monitor EPEAT India registered for the quoted desktop & Monitor FCC.CE,RoHS, UL Certificate ISO 900I,14001 or more certifications , Latest TCO certification for the quoted Desktop & Monitor
21	System Weight / Volume	Weight should be no more than 10 KG and volume no more than 16 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 5 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	21.5" IPS Panel LED with 1920 x 1080 @ 60 Hz resolution with 1 DP port , 1 VGA, 1 HDMI port or more. Monitor should be TCO 8.0 certified.
26	Warranty	The System should have comprehensive onsite warranty of at least 5 Years or more from OEM and Onsite replacement of parts /troubleshooting of the product shold not exceed 3 business days