

Technical Specification for Laptop Computer

<u>S.No.</u>	<u>Item (Quantity: 01)</u>	<u>Technical Specification</u>
1	Processor Type	Laptop processor
2	Number of processors	One
3	Number of Processor cores	16 or higher and 22 threads or higher
4	Processor Base Frequency & Power Rating	1.40 GHz or higher @ 28Watt or lower
5	Processor Max Frequency	4.80 GHz or higher @ 115Watt or lower
6	Processor Cache L3	24 MB or higher
7	Maximum Memory Size Support	96 GB or higher
8	Integrated Processor GPU frequency	2.25GHz or higher
9	Memory Type	LPDDR5/x or better
10	Memory Channels	2 or higher
11	Direct X support	12.2 or higher
12	PCI Support	5.0 and 4.0
13	Processor max operating temperature	110 degrees or higher
14	Processor package size	50mm x 25mm or lower
15	RAM size	1 x 16 GB DDR5-5600MHz or higher (using a maximum of 1 slots out of two SODIMM slots)
16	SODIMM Slots	2
17	RAM Speed	5600 MHz or higher
18	Display	35.6 cm (14) diagonal, (1920 x 1200), IPS, narrow bezel, anti-glare, 300 nits or higher, 45% NTSC or better
19	Storage	1 TB or higher PCIe NVMe SSD
20	PCIe x 16 Expansion slots	2 or higher
21	Expansion Slots (M Dot 2)	3 or higher
22	Fingerprint sensor	Yes
23	Pointing Device	Clickpad with multi-touch gesture support
24	Keyboard Integrated	Spill-resistant, backlit keyboard
25	Wireless Connectivity	Wi-Fi 6E (802.11ax) dual stream support (2.4GHz, 5GHz and 6GHz) and Bluetooth 5.3 wireless connectivity
26	USB ports	2 USB Type-C @ 20Gbps or higher 2 USB Type-A @ 5Gbps or higher
27	Display connectivity	1xHDMI 2.1 or higher port
28	Headphone connectivity & Mic	1x stereo headphone & microphone combo jack
29	Ethernet connectivity	1xRJ-45 port
30	Camera	Screen integrated camera 5MP camera or higher
31	Power Supply Capacity	65W or lower USB Type C charger adaptor
32	Battery	3-cell, 56 Wh Li-ion
33	Operating System	Window 11 Professional
34	Laptop weight (without charging adaptor)	1.4 Kgs or lower
35	Delivery and Installation	Delivery and Installation at DIAT Pune 411025
36	Warranty and Support	3/3/3 Years (material/labour/onsite) Warranty or more
Additional Terms and conditions for Laptop Computer		
1	Malicious code certificate duly signed by OEM of quoted hardware.	Yes

2	Service Central list to be submitted by the bidder.	Yes
3	Declaration from OEM for OEM warranty as per Tender terms.	Yes
4	Declaration from OEM for the genuine Operating system from hardware OEM factory.	Yes
5	Compliance letter from OEM on their Letterhead.	Yes
6	OEM must have an online system hardware diagnostics facility. Link/web address to be submitted along with the technical bid. Also, OEM must have the facility to download updates of pre-installed software, devices, drivers, and firmware on its website. Link/web address to be submitted along with the technical bid.	Yes
7	Quoted Product should be EPEAT gold India Certified.	Yes
8	Quoted Laptop should be certified for the Required operating system. Hardware OEM declaration along with Hardware certification report to be submitted.	Yes
9	Declaration from OEM for a quoted product not obsolete in the market at the time of bid submission and has at least 5 years residual support.	Yes
10	Dual Boot certification, Bidder needs to submit a certificate for same.	Yes
11	Ink-signed MAF required.	Yes