Department of Electrical Engineering

Enquiry No.: EE/YSC/2022/01

Opening Date: 28/01/2022
Closing Date: 03/02/2022

Sub.: Purchase of branded business laptop (Quantity = 1)

BIDDER ELIGIBILITY:

1. OEM should have a local presence by having sales/service centre in Lucknow/Kanpur.
2. The OEM should be among the listed companies in "IDC Asia/Pacific Quarterly Personal Computing Device Tracker, 2021" in the "Top 5 Company Highlights" section.
3. OEM can bid directly or through their authorised channel partner. OEM's tender authorisation must be enclosed with the bid.
4. Bidder should not be banned/blacklisted by any government institution in previous years. Self-declaration by the bidder in this regard to be enclosed with the bid. If it is found later that the information given is incorrect/false then the bid is liable to be rejected.

Specifications:

Sl. No.	Features	Qualifying Minimum Requirements
1	Processor	Intel Core i7-1165G7 Processor: (2.80 GHz base frequency, up to 4.70 GHz with Intel Turbo Boost Technology, 12 MB cache, 4 cores)
2	Chipset	Intel Chipset
3	RAM	16GB DDR4 3200 MHz Memory - System should upgrade up to 64GB with dual DIMM slots
4	HDD	1TB PCIe (NVMe) TLC Solid State Drive
5	Graphics Card	NVIDIA T500 (4 GB GDDR6) dedicated
6	Display	15.6" inch FHD (1920x1080) Anti-Glare LED UWVA 400 for HD 720p Webcam & IR CAM
7	Input devices	Dual Point Back Light Premium Keyboard with Spill Resistant, Clickpad to manage most commonly used functions with a single keystroke and Collaboration function
8	Audio	Audio by Bang & Olufsen, dual stereo speakers, Dual array digital microphone, functions keys for volume up and down, combo microphone/headphone jack, HD audio
9	Communications	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo
10	Ports	2 x USB 3.1 with one charging port, 1 x HDMI 2.0, 2 x USB Type-C Thunderbolt, 1x Headphone/Microphone Combo, 1 x Active Smart Card Reader
11	Camera	720p HD camera
12	Power	Long Life 3-cell 56 WHr Li-ion polymer Battery with fast charge & 65 W Slim Smart AC adapter
13	Operating System	Windows® 10 Pro 64 OS All drivers required for proper integration of components should be supplied by the vendor. All latest drivers should be available to download from vendor's website.
14	Security	Integrated Fingerprint reader and Lock slot, Smart card reader & Trusted Platform Module (TPM) 2.0. Software requires to protect the PC from malware that lurks on malicious websites or hides in common files, isolates key applications in their own virtual containers—trapping any malware and deleting it as soon as you close the application.
15	Certification and Additional Software	1. The system should be certified by leading ISV's for running their applications. The hardware vendor should supply an automatic system performance tuning software, which ensures optimum performance tuning for leading CAD/CAM/CAE softwares on

		Windows.
		2. The tuning software should have modules for resource monitoring over a long period of time, and should be capable of showing GPU utilisation (GPU, Graphics memory and Codec activity) in Windows.
		3. A complete Offline Diagnostics and Asset Discovery software suite should be supplied along with the system.
16	Remote Collaboration Software	System should be preloaded with software which can help remotely access 3D data across network and help collaboration. - The software should allow collaboration between multiple participants on an OpenGL 3D application. - It should support One to One for remote work and One to many for collaboration with keyboard and mouse control. - Application should be stateless and should not transfer actual data over the network. - Pixel information or images should be 128 SSL encrypted.
17	Vendor Status	The hardware vendor should be a reputed concern, having global presence in multiple countries. Vendor should have ISO certifications.
18	Warranty	Three years parts and labour warranty
19	Regulatory and Environmental Compliance	ENERGY STAR & EPEAT registered
20	BIOS	BIOS of the Workstation to have tool for Enhanced security features like self-healing, regular checks.
21	Weight	Less than 2KG
22	Certification	System should be certified WINDOWS 10, Leading ISV's (minimum 2 or 3), RoHS, EMC, ISO (need to produce letter or respective ISV's website should mentioned the MWS name and model number)

Terms and Conditions [Please enclose a compliance to all points in the technical bid]:

1) Send complete details of the product(s) provided by OEM (brochure etc.). Bids will be rejected if complete details are not provided.
2) Validity of Quotation should be 90 Days.
3) Price Quoted should be for Delivery at Indian Institute of Technology Kanpur
4) Delivery within six weeks from the date of purchase order
5) Price should be quoted exclusive of applicable taxes. However, details of all applicable taxes as on date of submission of the bid should be clearly mentioned separately.
6) GST should be levied @5% - Supporting certificate will be provided along with the Purchase Order.

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