



CSIR-INDIAN INSTITUTE OF CHEMICAL BIOLOGY
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Enquiry No.: IICB/PUR/24-25/599/584/774

Date: 14.02.25

Corrigendum Notice

It is hereby informed that the tender for supply, installation testing and commissioning of High-End Workstations with GPU has been published in NIC CPP Portal (<https://etenders.gov.in/eprocure/app>) vide tender ID 2025_CSIR_224888_1. In this regard following corrigendum may kindly be noted before participating.

1. Revised Technical Specification after Pre-Bid Meeting is mentioned at Annexure A.
2. The Clause No. 5.2 (b) of Chapter 5 and Clause No. 24 of the tender document may be read as "Bidder must have supplied and installed at least 01 (one) number of the same equipment/ similar instruments [as revised in the corrigendum] during last three years ending on 31.03.2024 to CSIR Laboratories/ Govt. Research Institutes or organizations/ PSUs."
3. Bid Submission End Date will be 25.02.2025, 05:00 PM.
4. Bid Opening Date will be 26.02.2025, 05:00 PM.
5. All other terms and conditions of the same tender notification will remain unchanged.

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Controller of Stores & Purchase
For & On Behalf of CSIR

ANNEXURE A

Specifications of “High-end workstations with GPU with given specifications”

Form Factor	Tower / Rack (If the vendor is supplying rack type systems, then they should also supply rack(s) along with the systems to accommodate ≥ 4 systems)
Processor	<ul style="list-style-type: none"> • Cores ≥ 32; threads ≥ 64; Cache (L3) ≥ 60 MB, Frequency 2.5 GHz to ≥ 4.1GHz equivalent or better • Make: Intel / AMD or any other reputed brand • Expansion capacity of no. of processors - up to total 2
RAM	<ul style="list-style-type: none"> • RAM capacity ≥ 128 GB (preferably 2x64 GB) or better • Memory type: {4800 MHz, DDR5, ECC RDIMM/DIMM} equivalent or higher • With expansion capacity of up to a total 1TB
Graphics Card	Dedicated graphics card
Number of Graphic Cards	2
Graphic Card Description	<ul style="list-style-type: none"> • Pipelines / CUDA cores ≥ 7500 • Floating-point processing power ≥ 27 TFLOPS • GPU memory: ~ 24 GB equivalent or better • Memory type: GDDR6 (preferably with error correcting code (ECC)) • Interface: PCIe 4.0 x16 or higher • Any equivalent or better GPU also acceptable
Operating System	<ul style="list-style-type: none"> • Ubuntu 22.04 LTS (or latest) or • CentOS 7.9 (or latest) or • Red Hat Enterprise Linux 8.6 (or latest) Or • Any other OS compatible with the below-mentioned applications. • The OS should be 64-bit
OS Certification	Yes (should be able to support multiple processors and GPUs)
Primary Storage /Boot Drive	<ul style="list-style-type: none"> • No of drives ≥ 2 • Type: NVMe SSD (M.2 2280 TLC OPL/OPAL2 SED) /or better • Capacity of each drive: 1 TB or more • RAID 1 for Operating System
Secondary Storage	<ul style="list-style-type: none"> • Total capacity ≥ 6 TB • No of units ≥ 3 • Type SATA HDD (ENTERPRISE) with speed 7200 RPM or higher • Expansion capabilities of upto 6 disks or better • (Total expansion capacity should be mentioned)
RAID	<ul style="list-style-type: none"> • RAID 5, • Speed of RAID 6-12 Gbps equivalent or better

Display Monitor	Size 68-71 cm or bigger, Non Touch, Flat, resolution \geq 4K (3840 x 2160), Height Adjustable, Input & output ports: HDMI / Display Port / USB, Other necessary ports
Power supply for system and cooling	More than 1400 W (Including additional support for at least 2 processors apart from at least 2 GPUs). A redundant power supply is desirable. Efficiency \geq 90 %, with power management. It should also have appropriate and efficient cooling of the entire system.
Mouse Connectivity	Wired, Optical 3-button Scroll (Black coloured)
Keyboard Connectivity	Wired, Standard (Black, English Language)
Optical Drive	Modern Blue Ray Writer 9.5 mm / DVD equivalent or better,
Speakers/Microphones	Inbuilt or external Speakers and, Microphone(s)
Connectivity	<ul style="list-style-type: none"> • Type of Ethernet Ports: Dual Gigabit NIC 10/100/1000 or RJ45 1Gb, RJ45 10Gb or equivalent • Dual Ethernet ports are desirable • Wireless connectivity: 2.4GHz/5GHz/6GHz, Wi-Fi 6E (802.11ax) /or latest
Ports	Ports (Following ports in sufficient quantity required to ensure best connectivity): <ul style="list-style-type: none"> • USB ports • Display Ports • RJ45 Ethernet port 1Gb, RJ45 Ethernet port 10Gb or equivalent/better • Any other necessary ports

Applications

Applications Compatible with the Workstation	Schrödinger application and other modern molecular modelling applications
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Certification

ROHS Compliance	Yes
Other Certification	Appropriate Certification for Safety, EMC & Immunity and for Waste management as per internationally recognized or Indian standards

Available (Requisite certificate may be furnished as and when demanded by the buyer)	
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Operating Conditions

Operating Temperature (Degree C)	about 10- 35 equivalent or better
Operating Humidity (%RH)	about 20- 85 equivalent or better
Inputs Power:	The input power supply, power cables and plugs as per Indian standards.
Installation	Vendor should be able to install and demonstrate the efficient working of the systems by running suitable benchmarking tests of performance and stability.
On Site OEM Warranty (Year)	Minimum 3 years, comprehensive with OS support. Service to be provided within 48 hours.

Other requirements:	<ul style="list-style-type: none"> i. The above-mentioned specifications/configurations are the minimum requirements. However higher or better specifications/configurations will be preferred. ii. Any other accessory or part that may be necessary for proper working of the system, should be clearly mentioned with the price bid of the vendor. iii. Clear information should be provided about the systems memory, storage, and graphics cards' futuristic expansion capabilities (if it is expandable). iv. The complete system except accessories should be from a single brand/OEM to ensure best compatibility with the supplied system. All Major parts of the system viz. Keyboard, Mouse, Motherboard and CPU Cabinet) should be from the same OEM. All Major parts of the system should be factory fitted by the single OEM which should be verifiable by OEM's name/logo embossed on all the major components. Mere sticker on the components (without embossing as mentioned above) may not be acceptable. v. Firm/Vendor must provide OEM Manufacturer Authorization Form (MAF) for the System. vi. The complete system and all the accessories should have the details (with specifications) available on the OEM(s) of the website for reference and verification.
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| | <p>vii. The OEM(s) should have the facility to download updates, device drivers, firmware, etc. on their website.
All major components should be of either of manufacturing years 2024-2025 or latest available in the market.</p> <p>viii. H/W Based security</p> |
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