

**NATIONAL FORENSIC SCIENCES UNIVERSITY**

Sector-9, Gandhinagar-382007

Phone - 079-23977123/24 & Fax-079-232 47465

**IMPORTANT INSTRUCTIONS / TERMS / CONDITIONS TO TENDERERS  
FORMING PART & PARCEL OF ENQUIRY DOCUMENT:**

**TENDER ENQUIRY No: NFSU/PUR/ET-01(64)/UPSIFS/2024-25**

**ITEM : 64** : SHOWN AS UNDER

**TENDER FEE** : **Rs. 1500/- (Rs. One Thousand Five Hundred Only)**

SERIAL # OF P.T.F. :

NAME & ADDRESS OF TENDERER : \_\_\_\_\_

: \_\_\_\_\_

: \_\_\_\_\_

C.S.P.O., REGISTRATION GROUP NO. :

THIS TENDER DOCUMENT COMPRISES OF TWO PARTS LABELLED AS PART I & II

THIS TENDER ENQUIRY IS FOR **FIXED QTY. PURCHASE** OF ITEM AS UNDER:

DETAIL SPECIFICATIONS ARE GIVEN IN PART-I i.e. TECHNICAL BID.

Sr. No.	ITEM CODE	ITEM NAME	QTY.	PLACE OF DELIVERY & INSTALLATION	E.M.D. (Rs.)
01	64	<b>High End Computers</b>	50	UPSIFS, Lucknow	<b>3,00,000/-</b>

**NOTE:**

- (1) **IF MANUFACTURER IS NOT AVAILABLE FOR IMPORTED COMPONENT (EQUIPMENT – MATERIALS) THEN THE REPUTED MANUFACTURERS / AUTHORIZED REPRESENTATIVE / DEALER APPOINTED EITHER BY PARENT COMPANY OR ITS SUBSIDIARY COMPANY SHALL BE ALLOWED TO QUOTE THE TENDER.**
- (2) **THE TENDERER HAS TO SUBMIT ALL THE REQUIRED DETAILS / DOCUMENTS WITH THE TENDER. NO COMPLIANCE WILL BE ACCEPTED AND CONSIDERED AFTER DUE DATE I.E OPENING OF THE TECHNICAL BID.**
- (3) **ANNUAL MAINTENANCE CONTRACT (A.M.C.) & COMPREHENSIVE MAINTENANCE CONTRACT (C.M.C.) CHARGES FOR NEXT FIVE YEARS AFTER WARRANTY SHOULD BE QUOTED SEPARATELY. AMC/CMC CHARGES WILL NOT BE TAKEN INTO ACCOUNT FOR PRICE COMPARISION FOR DETERMINING THE LOWEST BIDDER.**

**SIGNATURE & STAMP OF TENDERER**

**PART-I**

**TECHNICAL BID**

**T.E.NO:** NFSU/PUR/ET-01(64)/UPSIFS/2024-25

**Name of Item:** High End Computers

Manufacture \_\_\_\_\_ Brand \_\_\_\_\_ Model \_\_\_\_\_

[A]	REQUIRED SPECIFICATIONS	SPECIFICATIONS AVAILABLE IN OFFERED MODEL
	<b>Form Factor with Tool free design</b>	
	Convertible Mini Tower with Tool- less entry and Maintenance. System should feature Active Acoustic Reduction, with low noise level.	
	System should be rack-mountable	
	<b>Processor</b>	
	Intel Core i7-14700K 2.5G 28MB Cache 20 cores or higher	
	<b>Chipset</b>	
	Intel® W680 chipset or higher	
	<b>RAM</b>	
	64GB DDR5 nECC Memory 4800MHz or better, 4 DIMM slots, expandable up to 128 GB	
	<b>HDD</b>	
	2 x 1 TB PCIe NVMe M.2 SSD Drive. System should support additional 3 SATA & 1 x M.2 SSD drives.	
	<b>Drive Controllers</b>	
	Integrated SATA controller with minimum 4 x 6Gbps ports & SATA Controller should support RAID 0,1.	
	<b>Optical Drive</b>	
	Optional DVD R/W	
	<b>Bays/Slot</b>	
	2 x Internal 3.5" bays	
	1 x External 5.25" bay	
	1 x Internal 2.5" bay (for SSD only)	
	1 x Dedicated 9.5mm slim optical disk drive bay.	
	1 x PCI Express Gen5 slot x16 mechanical/ x16 electrical (full height, full length)	
	1 x PCI Express Gen3 slot x4 mechanical/ x1 electrical (full height, full length, open-ended)	
	1 x PCI Express Gen3 slot x16 mechanical/ x4 electrical (full height, full length)	
	1 x PCI Express Gen3 slot x4 mechanical/ x4 electrical (full height, full length, open-ended)	
	3 x M.2 2280 Storage (PCIe Gen4 x4)	
	1 x M.2 2230 WLAN (PCIe Gen3 x1+ Intel CNVi	
	<b>Ports</b>	
	Front I/O - 2 x Type-A SuperSpeed USB 10Gbps signalling rate port (1 charge port supports up to 5V/2.1A), 2 x Type- A SuperSpeed USB 10Gbps signalling rate port, 1 x Type-C SuperSpeed® USB 20Gbps signalling rate port (charge supports up to 5V/3A,), Optional 1 x SD card reader, 1 universal audio jack	
	Internal I/O – 1 x Hi-Speed USB 480Mbps signalling rate header for SD card reader, 1 x serial port available with header, 1 x serial and PS/2	

	available with header.	
	Rear I/O - 2 x DisplayPort 1.4, 1 x Audio Line out, 1 x Audio Line in, 1 x RJ-45, 3 x Hi-Speed USB 480Mbps signalling rate port, 2 x Type-A SuperSpeed USB 10Gbps signalling rate port, 3 x USB Type - A SuperSpeed USB 5Gbps signalling rate port	
	<b>Audio</b>	
	High-Definition Integrated Audio with Internal speaker.	
	<b>Graphics Card Support</b>	
	Intel UHD Graphics 770 & System should support up to 24GB Graphics Card in future ready. Certified drivers for CAD applications to be supplied	
	<b>Communications</b>	
	Integrated Network 10/100/1000 & 100/1000/2500 Network Card	
	<b>Keyboard and Mouse</b>	
	USB Keyboard and USB Optical Scroll mouse - Same make as that of the workstation	
	<b>Operating System</b>	
	Genuine Win 11 Pro 64-Bit. 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. System should support for Red Hat® Enterprise Linux Desktop 8.3 or Higher	
	<b>BIOS</b>	
	BIOS of the Workstation to have tool for Enhanced security features like self-healing, regular checks.	
	<b>Security</b>	
	Optional for BIOS controlled electro-mechanical internal chassis lock for the system.	
	<b>Power Supply</b>	
	MM 700W wide-ranging, active Power Factor Correction. 92% Efficient EPEAT GOLD India or Higher.	
	<b>Additional Software</b>	
	The hardware vendor should supply an automatic system performance tuning and monitoring software on Windows.	
	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) for both Graphics and GPU Compute cards.	
	A complete Offline Diagnostics and Asset Discovery software suite should be supplied along with the system.	
	<b>Warranty</b>	
	3 years onsite comprehensive OEM warranty for system.	
	<b>Vendor Status</b>	
	The hardware vendor should be a reputed concern, Having global Presence in multiple countries. OEM should have ISO certifications.	
	<b>Dust Filter</b>	
	OEM should provide serviceable dustfilter for avoid workstation failures due to dust and it should be connected into the workstation	
	<b>Out of Band</b>	
	System should possess hardware for remote out of band	
	<b>Remote Work station Management</b>	
	management to provide support and maintenance from any location. The hardware should power the monitor and manage a workstation without compromising the access control, all from a single interface. Quick-to-deploy, scalable, and strong security.	

	<b>Remote Collaboration Software</b>	
	Hardware or Software based remote collaboration System which can help remotely access 3D data across network has to be supplied with the systems.	
	should allow collaboration between multiple participants on an open GL 3D or DirectX Applications.	
	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.	
	Solution should also provide a secured gateway which allows remote users to access the host workstation without using a VPN.	
	Solution should support 4 monitors and up to 60 frames deliverable to the end points.	
	Solutions should provide enterprise level AD integration and support SSO.	
	Pixel information or image should be 256 SSI encrypted, Should work on Linux & windows and Should be Inter-Operable.	
	<b>Certifications</b>	
	Window OS and Linux Certification.	
	EPEAT Gold India Registered, Energy Star, wEn.	
	<b>ISV Certification</b>	
	Workstation should be certified on leading 2D/3D/Design software/Applications and model no of the workstation should be available in ISV's website / OEM should provide letter from respective ISV's.	
	<b>Display</b>	
	23.8" or higher (Diagonal) with IPS panel, Minimum resolution of 1920X1080, Contrast ratio (Typical): 1000:1, Response Time - Typical - 5ms, Anit-glare, with 1 DisplayPort 1.2 (with HDCP support t); 1 HDMI 1.4 (with HDCP support); 1 VGA, TCO 9.0 Certified with Height Adajustable (Same OEM as System)	
	<b>Non return of Hard Disk</b>	
	As per Buyer organization's Security Policy,Faulty Hard Disk of /Desktop Computers/ Laptops etc. will not be returned back to the OEM/supplier against warranty Replacement	

<b>[B]</b>	<b>IMPORTANT TERMS AND CONDITION FOR SUPPLY</b>
	<ol style="list-style-type: none"> <li>1. <b>Delivery :</b> The Director Uttar Pradesh State Institute of Forensic Science, Piparsand, Sarojini Nagar, Kanpur Road, Lucknow- 226008</li> <li>2. <b><u>Installation/Inspection:</u></b> Uttar Pradesh State Institute of Forensic Science, Lucknow</li> <li>3. <b><u>Payment:</u></b> By NFSU Gandhinagar Campus</li> </ol>