

**Foundation for Innovation and Technology Transfer
(FITT)**

REF: FT/2023/05/49
Date: 10th February, 2024

Notice Inviting Quotation –

for

Sl. No.	Item	Quantity
1	COMPUTER WORKSTATION Specification in given in Annexure-I	1 Nos.

Terms & Conditions Details:

Preparation of Bids: The offer/bid should be submitted mentioning Technical and financial.

Opening of the tender: The bid will be opened by a committee duly constituted for this purpose.

Acceptance/ Rejection of bids: The Committee reserves the right to reject any or all offers without assigning any reason.

Last date of submitting the bids will be 16th February, 2024 before 5:00 pm to :

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Prof. Manabendra Saharia,
Assistant Professor, Department of Civil Engineering

Indian Institute of Technology Delhi
Block V-224, IIT Delhi, New Delhi, India 110016

Office: +91-011-26591260

Email: msaharia@iitd.ac.in

Please quote prices for FOB New Delhi, inclusive of all taxes and duties.

Quote should be in Indian Rupees for agents of Indian manufacturers, or in foreign currency, for agents of foreign manufacturers, and needs to be valid for at least three months.

Attach all the technical literature and a list of similar installations done in India.

If the quote is being submitted by a representative of the manufacturer, a valid agency-ship or dealership certificate authorizing the agent to quote to FITT, IIT Delhi on behalf of the manufacturers should be enclosed. The principal and the vendor, both, are not allowed to quote for the same product.

Complete set of manuals for the operation of the equipment should be given.

Please specify all of your terms and conditions clearly, including delivery period. For purchases in INR, payment is on delivery.

ANNEXURE-I

TECHNICAL SPECIFICATIONS FOR PROCUREMENT OF COMPUTER WORKSTATION

S. No.	Specification	Sub-Specification	Minimum Value or Higher
1	Type	Form Factor	Desktop
2	Processor	Processor Make	Intel
		Processor Generation	13th
		Number of Cores per Processor	24
		Processor Description	Intel i9 Series
		Processor Number	Intel i9 13900KF
3	Motherboard	Chipset Number	Intel Z790 with Wifi antenna
		Expansion Slots (PCIe 3 x 1) (Number)	1
		Expansion Slots (PCIe 4 x 16) (Number)	1
		Expansion Slots (PCIe 5 x 16) (Number)	1
4	Graphics	Graphics Type	Dedicated/Discrete
		Number of Graphic Cards	1
		Graphic Card Description	NVIDIA RTX 4090 24GB 4DP
5	CPU Cabinet	Type	Full ATX
		Fans Included	3 x 140 mm
		Radiator Compatibility	480 mm
6	Cooling	Technology	Liquid Cooling
		Radiator Specification	360mm
		Block Specification	Copper
		Static Pressure	upto 3 mm H2O
7	Memory	RAM Type	DDR5
		RAM Speed (MHz)	5600
		Type of Memory	DIMM
		RAM Size (GB)	128
		Number of DIMM Slots Populated	4
8	PrimaryStorage /Boot Drive	Type of Drives used to populate the internal Bays	NVMe M.2 PCIe Gen4 SSD
		Read and Write Speed (in MB/s)	7500 MB/s and 6800 MB/s
		Number of Drives	1
		Capacity of each Drive (GB)	2048
9	Secondary Storage	Type of Drives used to populate the Internal Bays	SATA
		Number of Internal Bays populated with SATA Drive	2
		Each SATA Drive Capacity (GB)	4096
		Speed of each SATA Drive (RPM)	7200
10	Connectivity	Type of Ethernet Ports	Single Gigabit NIC 10/100/1000
		Number of Ethernet Ports	2
		Wireless Connectivity	Yes
		If Yes, Type of Wireless Connectivity	Intel Wi-Fi 6E with Antenna

		Bluetooth Connectivity	Yes
		If Yes, Version of Bluetooth Available	5
11	Ports	Number of USB Version 3.2, Gen 1, 5GBPS Type A Ports	4
		Number of USB Version 3.2, Gen 1, 10 GBPS Type C Ports	3
12	Display	No. of Display	1 Qty
		Display Availability	Monitor FHD
		Display Size (inches)	27"
		Display Type	Non Touch and Height / Tilt Adjustable
13	Power	Maximum Power (Watts)	1600
		Minimum Power Efficiency (%)	80%. Titanium
		Power Management Unit	Yes
14	Input Devices	Keyboard	TKL, Wired Mechanical Keyboard - Compact Backlit Keyboard with Tactile Mechanical Switches with Aluminum Body.
		Mouse	Optical Scroll, USB Wired Mouse, 4000 DPI, Lightweight, 8 Programmable Buttons
15	Warranty	Onsite part replacement/repair warranty (Years)	3

ANNEXURE-II : COMPLIANCE SHEET

S. No.	Specification	Sub-Specification	Minimum Value or Higher	*Compliance (Yes/No) and Proposed Make / Model
1	Type	Form Factor	Desktop	
2	Processor	Processor Make	Intel	
		Processor Generation	13th	
		Number of Cores per Processor	24	
		Processor Description	Intel i9 Series	
		Processor Number	Intel i9 13900KF	
3	Motherboard	Chipset Number	Intel Z790 with Wifi antenna	
		Expansion Slots (PCIe 3 x 1) (Number)	1	
		Expansion Slots (PCIe 4 x 16) (Number)	1	
		Expansion Slots (PCIe 5 x 16) (Number)	1	
4	Graphics	Graphics Type	Dedicated/Discrete	
		Number of Graphic Cards	1	
		Graphic Card Description	NVIDIA RTX 4090 24GB 4DP	
5	CPU Cabinet	Type	Full ATX	
		Fans Included	3 x 140 mm	
		Radiator Compatibility	480 mm	
6	Cooling	Technology	Liquid Cooling	
		Radiator Specification	360mm	
		Block Specification	Copper	
		Static Pressure	upto 3 mm H2O	
7	Memory	RAM Type	DDR5	
		RAM Speed (MHz)	5600	
		Type of Memory	DIMM	
		RAM Size (GB)	128	
		Number of DIMM Slots Populated	4	
8	Primary Storage /Boot Drive	Type of Drives used to populate the internal Bays	NVMe M.2 PCIe Gen4 SSD	
		Read and Write Speed (in MB/s)	7500 MB/s and 6800 MB/s	
		Number of Drives	1	
		Capacity of each Drive (GB)	2048	
9	Secondary Storage	Type of Drives used to populate the Internal Bays	SATA	
		Number of Internal Bays populated with SATA Drive	2	
		Each SATA Drive Capacity (GB)	4096	
		Speed of each SATA Drive (RPM)	7200	
10	Connectivity	Type of Ethernet Ports	Single Gigabit NIC 10/100/1000	
		Number of Ethernet Ports	2	

		Wireless Connectivity	Yes	
		If Yes, Type of Wireless Connectivity	Intel Wi-Fi 6E with Antenna	
		Bluetooth Connectivity	Yes	
		If Yes, Version of Bluetooth Available	5	
11	Ports	Number of USB Version 3.2, Gen 1, 5GBPS Type A Ports	4	
		Number of USB Version 3.2, Gen 1, 10 GBPS Type C Ports	3	
12	Display	No. of Display	1 Qty	
		Display Availability	Monitor FHD	
		Display Size (inches)	27"	
		Display Type	Non Touch and Height / Tilt Adjustable	
13	Power	Maximum Power (Watts)	1600	
		Minimum Power Efficiency (%)	80%. Titanium	
		Power Management Unit	Yes	
14	Input Devices	Keyboard	TKL, Wired Mechanical Keyboard - Compact Backlit Keyboard with Tactile Mechanical Switches with Aluminum Body.	
		Mouse	Optical Scroll, USB Wired Mouse, 4000 DPI, Lightweight, 8 Programmable Buttons	
15	Warranty	Onsite part replacement/repair warranty (Years)	3	

*** Attach supporting documentation**