

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

REF: FT/2023/05/67

Date: 07/06/2024

Notice Inviting Quotation

Computational GPU System

Description/Specification		
The following minimal Technical Specifications /Parameters are to be ensured while purchasing Computational GPU System:		
Item: Computational GPU System, Qty: 01 Nos.		
Technical Specifications for Computational GPU System:		
S.N.	Parameters	Minimum Specifications
1	Performance Benchmark	1.Specrate2017_fp_base >400
		2.Specrate2017_Int_base >300
		System OEM must have listed SPEC benchmark score as afore mentioned in www.spec.org with the same node model or a model from the similar series, with same CPU configuration as quoted in the bid.
2	Processor	x86 Architecture based processor, each with 16 Cores, 2.5GHz Base, 37MB Cache or higher processor installed. System each CPU Socket should support Up to 64 cores or higher processor.
3	No. of Processor's	Two or more installed from day one.
4	Bundled Utility	OEM Utility for providing pre compiled frameworks for ML and DL frameworks to be pre-loaded. Datasheet for the utility must be submitted with technical bid response.
5	Accelerator's	2 or more Nvidia L40S 48GB or higher Computing Accelerators installed from day one.
6	Accelerator's Upgrade	System should support up to four double width GPUs from day one.
7	Memory	128GB or higher DDR5 4400 MHz ECC Registered memory installed,
8	NVMe Supports	On board NVMe controller for supports 4 or more NVMe Drives from day one,
9	SSDs & HDDs	2 x 960GB or higher Enterprise SATA SSDs for Boot Volume, And 2 x 2000GB or higher Enterprise SATA 7.2K HDD for Storage Volume.
10	Drive Bays	At least 8 or more LFF Hot Swap Drive Bays from day one.
11	Optical Drive	1 x Internal SATA DVD R/W.
12	RAID Controller	12Gbps H/W RAID Controller, Support RAID Levels, 0,1,5,6 & 10 with dedicated 1GB Cache memory. All drive bays should be connected thru RAID Controller.
13	Graphics controller	A dedicated VGA port available thru additional controller or on-board controller

14	Ethernet Controller	1 x Dual Port 10Gbps Ethernet Controller with Environment (PXE) boot capability.
15	I/O slots	At least 7 x PCIe 5.0 x 16 FH FL and 2 x PCIe M.2 or more Expansion Slots
16	Other Ports	1 x VGA, 1 x COM, 6 x USB 3.0/3.1/Type-c Ports.
17	Operating System	Open-Source Linux 64 bits OS preloaded from day one.
18	OS Certifications	The offered System model should be certified for Windows and RHEL Operating system, Certificate copy should be attached with bid documents.
19	Management	Dedicated IPMI Management Port with Activated License. IPMI 2.0 Support with KVM and Media over LAN features. Must include all required licenses, if required for using these features. It should be able to automate mgmt. tasks and automated firmware updates. Email Alerting methodology, User management functionality with SSL based security, Multiuser Permission Levels, Multiuser Profiles USB 2.0 or 3.0 -based drive redirection with support for USB Key, VLAN functionality supports Reading Log Events. Manual / Datasheet must be submitted for the compliance.
20	Power supplies	Minimum 2000W or more 80 Plus Titanium Certified (N+1) Redundant power supply
21	Form Factor	4U or lesser Rack mountable with rail kit
22	MII Compliance	Make in India System offered must comply with DIPP's notification no. P-45021/2/2017-PP(BE-II) with revisions till date and compliance with P-45021/102/2019-BE-II-Part (1) (E-50310) Office Memorandum issued by Gol. LC Certificate should be submitted on OEM Letterhead.
23	Regulatory Compliance	Quoted System model should be qualified for install up to 4 Nos. or more NVIDIA L40S 48GB GPU Cards and quoted system model shall be listed model under NVIDIA Qualified Server Catalogue on NVIDIA website.
24	Warranty	3 years onsite warranty by OEM / Bidder.
25	Others	Necessary cables, Transceivers should be bundled from day one.

Terms & Conditions Details

Preparation of Bids: The offer/bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items mentioned in the technical bid

Opening of the tender: The bid will be opened by a committee duly constituted for this purpose. The technical bid will be opened first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification.

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

Two separate sealed envelopes to be submitted for technical and financial bid (clearly labelled as “technical bid” and “financial bid”) respectively.

Last date of submitting the bids will be 28th June, 2024 before 5:00 pm to :

The quote should reach the following address on or before last date.

Prof. Sayan ranu
Department of Computer Science and Engineering
Indian Institute of Technology Delhi
Hauz Khas, New Delhi 110016
Email: sayanranu@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 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.

Mode of payment for purchases in foreign currency are through irrevocable letter of credit, or through wire transfer on delivery. Only bank charges within India are payable by FITT, IIT Delhi, all bank charges outside India are the responsibility of the seller. For purchases in INR, payment is on delivery.