

Foundation for Innovation and Technology Transfer (FITT)

REF: FT/2023/05/50

Date: 22nd July 2024

Notice Inviting Quotations for Multi GPU Workstation Server with Accessories

Required Specifications

Multi GPU Workstation Server with Accessories

- Enterprise grade processor (preferably Xeon) with 32 physical cores and 64 threads with a base frequency of not less than 2.00 GHz and a turbo boost more than 3.00 GHz.
- The processor cache memory should be equal to or more than 45 MB.
- Air cooling should be provided for the processor to have good thermal efficiency, which can handle load when it is running at 100% Load.
- The Motherboard should have the following features:
 - A. Minimum 2 x M.2 slots for Nvme SSD support.
 - B. Minimum 8 x DIMMs Slots or more.
 - C. Minimum 6 x PCIe Gen3 x16 for Multiple GPU Support.
 - D. Must support multiple USB 3.0 or 3.1 ports.
 - E. Minimum 2x10G LAN ports through AOC or through on-board controller.
- Minimum 4 x 128 GB (512 GB) DDR4 ECC RAM (3200 MHz or higher) should be provided.
- 3 x Graphic processing units with at least 8000 CUDA cores or more (per GPU) with VRAM of 24 GB GDDR6 ECC or higher (per GPU) should be provided.
- The primary booting should be through 1.92 TB Enterprise Class SATA SSD configured on Hardware RAID 1.
 - (2 x 1.92 TB SSD in raw configuration)
- 2 x 4TB SATA HDD Enterprise Class storage device should be provided.
- Hardware RAID support with RAID 0,1,5 and 10 should be provided on the Motherboard.
- A fully modular power supply of equal to or higher 2000W-80 plus Gold should be provided.
- The chassis should be of tower form factor provided with optimized acoustics. It should have at least 8 expansion windows.
- 2 units of 27inch FHD Monitor Flat Screen.
- 2 units Wired Keyboard Mouse combo
- One small form factor desktop Client Device (NUC preferred) should be provided with minimum of i3 12th Gen processor, 16GB RAM, 1TB SSD for Storage.
- One laptop client device with minimum of i3 12th Gen processor, 8GB RAM, 512 GB SSD for Storage, Windows 11 and MS Office included.
- 3KVA online UPS for uninterrupted backup of workstation for 8 mins Power Outrage.
- Supplier should provide service for installation of OS and AI frameworks on-site as per user requirement.
- 5 x pieces of 5 Mtr. CAT 6 LAN cable, 2 pieces of 10 Mtr CAT 6 LAN cable, 5 pieces of 1 Mtr CAT 6 LAN cable to be provided.
- 1x 1G switch (with minimum 8 ports) and 1x 10G switch (with minimum 8 ports) to be provided
- Necessary converter plugs of high quality to be provided for connecting UPS to wall power outlet and connecting server and clients to UPS
- 2 x high quality 220V surge protectors with minimum 4 inputs to be provided
- Standard workstation table (for housing the workstation) and 2 x high back-Office Chairs to be provided
- 2x DP-to-HDMI, 2x HDMI-to-DP, 2x VGA-to-DP, 2x VGA-to-HDMI cables to be provided.
- 1 x 10mtr HDMI cables to be provided.
- 1 x 1TB external SSD, 1 x 2TB external HDD to be provided (USB 3 or higher, USB 4 preferred)
- 1x 1TB internal SSD, 1 x 1TB internal HDD to be provided.
- 3-year comprehensive Warranty (on workstation, clients, including all parts) should be provided.
- On-site and off-site support to be provided.
- Supplier staff to ensure all necessary firmware, drivers for workstation and clients are provide for user application purposes at no additional cost.
- Maximum permissible Delivery period: 2 weeks
- Performance Bank Guarantee: 3% of total value

Terms & Conditions Details

1. **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. Submission of erroneous details, unrelated literature in bids will lead to rejection.
2. **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.
3. **Acceptance/ Rejection of bids:** The Committee/FITT reserves the right to reject any or all offers without assigning any reason.
4. **The quote/bids should reach** the following address on or before last date.
Prof. Manan Suri
Department of Electrical Engineering, Indian Institute of Technology Delhi
Hauz Khas, New Delhi 110016, Email: manansuri@ee.iitd.ac.in
 - a. Two separate sealed envelopes to be submitted for technical and financial bid (clearly labelled as “technical bid for multi-GPU WSA” and “financial bid for Multi GPU WSA”) respectively.
 - b. Password protected soft copy of all documents must also be submitted by email to: manansuri@ee.iitd.ac.in, coo@fitt-iitd.in
 - c. Subject line of email must read: “Multi-GPU WSA BID”
5. **Last date of submitting the bids will be 31st July, 2024 before 5:00 pm IST**
6. Please quote prices for door-to-door delivery at FITT/IIT Delhi, New Delhi, inclusive of all taxes and duties. Tax component must be separately indicated in the financial quote.
7. Quote should be in **Indian Rupees** and must be valid for at least **120 days** from date of submission.
8. Attach all **technical literature** and **list of similar installations** done in India in recent past.
9. 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/FITT on behalf of the manufacturers should be enclosed. The principal and the vendor, both, are not allowed to quote for the same product.
10. Complete set of **manuals for the operation** of the equipment must be provided.
11. Payment will be done **after successful installation, commissioning, verification and technical acceptance of all material supplied.**
12. Order will be **cancelled if delivery is not made within max. permissible delivery period**
13. **Performance Bank guarantee** of 3% of total value must be submitted that will be released at the end of warranty period.