



INDIAN INSTITUTE OF TECHNOLOGY KANPUR
DEPARTMENT OF MECHANICAL ENGINEERING
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Enquiry no.: ME/ERL/2018-19/July/02

Enquiry date: July 10th, 2018

Last Date: August 1st, 2018

High-Performance Computing System (2 Nos)

We intend to purchase High-Performance Computing Systems (Work-Stations) (2 Nos) with the specifications given below. Interested parties are requested to send sealed quotations along with compliance report, for their products product, satisfying the given specifications. Your bid should be in two parts, in two separate sealed envelopes, clearly marking the 'Technical Bid' & 'Financial Bid'. The envelope must be inscribed with "Quotations for High-Performance Computing System". Last date to receive the bids in my office is July 27, 2018.

Specifications for each machine:

Master Node

- ◆ Intel Xeon processor with 64 bit architecture (min. 2 processors)
- ◆ Base frequency: 2.8 GHz and higher
- ◆ Core count: 12 cores or higher
- ◆ Intel Server Motherboard with dual processor
- ◆ RAM: 192GB DDR4 2666 MHz and protected by advanced ECC, ChipKill or equivalent technology or higher. The memory DIMMs must be installed in a fully balanced mode to operate at maximum rated frequency of the memory for server or better.
- ◆ Hard Disk 6*2 TB (NL-SAS) 7200 rpm or better
- ◆ Additional slots should be available for future expansion of HDD and RAM.
- ◆ Best available 240 GB SSD for OS
- ◆ Best available 4 GB NVIDIA GPU or better Graphics Card (NVIDIA or better). The graphics card must be compatible with DDR4
- ◆ Ethernet ports: 2GbE ports, 100Gbps Low latency port. 4 USB
- ◆ Up to 4 PCIe 3.0 slots
- ◆ 32 inch curved LED monitor,
- ◆ DVD RW, optical drive, mouse and keyboard with power supply and all necessary cables
- ◆ Original Windows 10 Business 64 bit OS package, Linux 7 & Ubuntu server
- ◆ Single Solution by a reputed brand will be given preference. Assembled solution will not be acceptable.
- ◆ Minimum 3 years warranty with next business day support
- ◆ NLSAS 512n 3.5in Hot-plug Hard Drive / PERC H730 Integrated RAID Controller, 1GB Cache / DVD+/-RW / Dual, Hot-plug, Redundant Power Supply (1+1) 750W /
- ◆ Broadcom 5720 QP 1Gb Network Daughter Card / Mellanox ConnectX-3, Single Port, VPI FDR, QSFP+ Adapter / Ready Rails Sliding Rails With Cable Management Arm /

- ◆ 3 Years Pro Support: Next Business Day with Pro Support: 7x24 Technical Support & Assistance for 3 Years

Compute Node

- ◆ Intel Xeon processor with 64 bit architecture (min. 2 processors)
- ◆ Base frequency 2.8 GHz or higher
- ◆ Core count: 12 cores or higher
- ◆ Intel Server Motherboard with dual processor
- ◆ RAM: 192GB DDR4 2666 MHz protected by advanced ECC, ChipKill or equivalent technology or better. The memory DIMMs must be installed in a fully balanced mode to operate at maximum rated frequency of the memory for server
- ◆ Hard Disk 2*1 TB (NL-SAS) 7200 rpm or better
- ◆ Best available 240GB SSD for OS or better.
- ◆ Best available 4 GB NVIDIA GPU or better Graphics Card (NVIDIA or better). The graphics card must be compatible with DDR4
- ◆ Additional slots should be available for future expansion of HDD and RAM
- ◆ Ethernet ports: 2GbE ports, 100Gbps Low latency port.4 USB Port
- ◆ Up to 4 PCIe 3.0 slots
- ◆ With power supply and all necessary cables
- ◆ Original Windows 10 Business 64 bit OS package / Linux 7 & Ubuntu server
- ◆ Single Solution of a reputed brand will be given preference
- ◆ Minimum 3 years warranty with next business day support
- ◆ NLSAS 512n 3.5in Hot-plug Hard Drive
- ◆ PERC H730 Integrated RAID Controller, 1GB Cache Dual, Hot-plug, Redundant Power Supply (1+1), 550W
- ◆ On-Board LOM 1GB E Quad Port
- ◆ Mellanox ConnectX-3, Single Port, VPI FDR, QSFP+ Adapter
- ◆ Ready Rails Sliding Rails with Cable Management Arm
- ◆ 3 Years Pro Support: Next Business Day with Pro Support: 7x24 Technical Support & Assistance for 3 Years.

Terms & Conditions:

1. Provide "Authorization certificate" by the manufacturer, in case the quotation is submitted by an Agent.
2. Prices should be FOB/ CIF up to Delhi.
3. Validity of quotation should be at least for 90 days.
4. Warranty: Three Years from the date of Installation and Commissioning. Anything missing in the tender document to prove the system is also the responsibility of the supplier.
5. All necessary components (cables, sensor, switches etc.) required for proper functioning of system must be included in the offer.
6. Supply and installation: Within a week from the order.

Kindly send your best Technical and Commercial offer (Separately for two bid-systems) so as to reach us on or before July 27th, 2018 to the following address:

The undersigned reserves the right to accept the offer in part or full or reject completely without assigning any reasons.

Prof. Avinash Kumar Agarwal, Department of Mechanical Engineering,
Indian Institute of Technology Kanpur, Kanpur – 208016, India

In case of any queries/clarification related to this tender, you may contact Mr. Deepak Mishra)
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