

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Department of Mechanical Engineering

Enquiry No: Enq/IITK/ME/JB/06

Enquiry Date: **09/11/2016**

Closing Date: **30/11/2016**

Formal quotations are invited for **GPU enabled server node** for adding in an existing cluster. Sealed quotations have to reach in the following address by the closing date:

Manoj Sharma
Department of Mechanical Engineering
Indian Institute of Technology Kanpur
Kanpur, 208016, India

Technical Specifications:

S. No.	Description of Item	Qty
1.	Server: Rack mount, form factor 1U, 2 x 10 Core Intel® Xeon® Processor E5-2630 V4 (25 MB L3 cache, 2.20 GHz) or higher, Intel C612 series or higher chipset, 128 GB DDR4 (2400 MHz or higher) advanced ECC RAM, 2x600 GB 15K RPM (maximum speed in the offered form factor) hot plug SAS Disk with minimum 6 disk bays, 2x400 GB Hot Plug 2.5-inch enterprise class SAS SSD, Hardware RAID controller with 1 GB Flash back cache or above (support RAID 0, 1, 5, 6 and 10), 4X QDR (40Gbps) InfiniBand with cable (2m, Copper), 2 x Gigabit (1000Base-T) Ethernet on-board using Intel® i350, Dual Multifunction Gigabit NIC with accelerated iSCSI + TCP/IP offload engine support, all required ports (2 USB, 2 Network, 1 InfiniBand, 1 dedicated management Ethernet port, 1 VGA) with required cables, Internal/External DVD ROM Drive, redundant power supply with minimum 90% efficiency. All hardware must support Redhat/CentOS/Ubuntu/Linux.	1
2.	GPU: Nvidia Tesla K80 GPU Compute Board.	1
3.	Optional: On-board Graphics.	1

Terms and conditions:

- Bidder should be OEM/Authorized Partner/service provider of the OEM and a Letter of Authorization from OEM for the same and specific to the tender should also be enclosed.
- The vendor should have installed at least 5 GPU enabled server clusters in India during last two years. Details of these previous installations must be provided. In addition, vendor should provide a guarantee for clustering and also for application software integration.
- Bidder should have implemented minimum 5 Nos of 10TF or more system in India during last three years of which one has to be from Govt. research and defence segment. IR Copies to be provided along with the bid.
- The bidder should be financially sound to execute the order, its annual turnover of at least 5 Crores each in the last three financial years.

- International OEM with 5 entries in the top500 (www.top500.org) list latest by Oct 2016 release should only quote.
- Heat load per rack should be less than or equal to 12 kW. The vendor should give the power and cooling requirements for the GPU server along with the proposal. Requirement for minimum cooling and power would be preferred.
- We have **standard 42U server rack of dimension 2006 mm × 598 mm × 1125 mm (H×W×D)** with PDU in our Data Center. The GPU enabled server node should be installed in this rack **only**.
- Bidder should have valid VAT Registration in North Region. Bidder should provide proof for the same.
- OEM should have support center in North India.
- Warranty period (**minimum 5 years' comprehensive on-site warranty** on complete GPU enabled node) should be mentioned.
- Validity of quotations should be minimum 60 days.
- The vendor is also required to maintain integration of licensed software (if any) with the GPU server throughout the warranty period.
- The Unit Prices should be quoted for every component and the prices can be in INR or in valid foreign currencies (e.g. US Dollar). For INR quotations, delivery should preferably be up to IIT Kanpur. For foreign currency quotations rates must be for CIF New Delhi. Sales Tax, VAT and any other applicable charges should be mentioned.
- Quantity may increase or decrease at the discretion of IITK.
- Bidder should have support center in North Region with at least 10 HPC support engineer on company pay roll for last 3 years and minimum 3 of them based out of North.
- Product price, installation and maintenance charges should be mentioned SEPARATELY.
- Terms and Conditions, and deviations should be clearly stated with the signature of the responsible person.
- Quotations should be submitted in two parts (Two Bid System):
 - Part-I (Technical) should contain all the technical details cum specifications of the offered solutions.
 - Part-II (Financial) should contain the prices of the offered solutions along with the commercial terms and conditions. The prices should be quoted separately for each item.
- Delivery period will be 4-6 weeks.
- IIT Kanpur is exempted from excise duty.
- IIT Kanpur is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%)

Indenter:

Dr. Jishnu Bhattacharya
Department of Mechanical Engineering, IIT Kanpur