Department of Aerospace Engineering

August 5, 2013

Dr. Ashoke De
Department of Aerospace Engineering
IIT Kanpur, 208016, India
Phone: +91-512-2597863

Quotations invited

Sealed quotations are invited for **2 servers** with the specification outlined below. **Technical as well as the commercial quotations must be sent separately in sealed envelope**. Quotations may be sent by post/courier to the above mentioned address. The details of the requirement are mentioned below.

- Enquiry No: AE/AD/002
- Opening date: 1000hrs, 5th August, 2013
- Closing date: 1700hrs, 19th August, 2013
- Essential requirement: Two 64 core Rack servers with the following specifications

Item	Description of Requirement
No of servers	2
Chassis	Rack Mountable
CPU	4 AMD Opteron™ 16 core 2.1GHz Processor or higher
Memory	128 GB DDR3 ECC SDRAM 1333MHz memory (advanced ECC)
Optical drive Bay	USB/Internal DVD-ROM
Hard disk drive	6 TB or higher SAS HD
Controller	PCIe 3.0 based SAS Raid Controller with RAID 0/1/1+0/5/5+0 with 1 GB flash backed write cache (onboard or in a PCI Express slot).
Networking ports	Dual/Quad Port Gigabit Server Adapter
Power Supply, Fans	Redundant power supply and redundant cooling fans along with appropriate power cables
OS support	64 bit linux
Software support	3 years comprehensive support for all opensource software components
Warranty	3 year warranty. Pre failure warranty on CPU, Memory and Hard disks

Installation and Warranty

1. **Installation and integration of all supplied hardware and software shall be done by the vendor.**

2. The vendor shall conduct acceptance test of the supplied solution at the installation site and demonstrate the functionalities as per specifications including benchmark results.

3. The supplied hardware should have 3 years on-site comprehensive warranty including upgrades of BIOS, firmware, patches, etc.

4. The 3-year warranty support is also for all supplied software including OS, compilers, system software, application software, HPC stack, etc. The support includes all patches, bug-fixes and upgrades.

5. If unresolved issues are pending, warranty duration would be extended till satisfactory resolution of issues without any extra cost to IIT Kanpur.

Miscellaneous/ other points

The vendor shall provide total power and cooling requirements (KVA, current rating, socket type, BTU rating, AC tonnage, etc.) for the offered solution at the time of quote. The various subsystem wise and rack-wise power and heat dissipation requirements must also be given.

Terms and Conditions

1. The bidder must be either OEM of HPC who is willing to undertake total scope of work OR an authorized system integrator (SI)/dealer/distributer of the OEM of HPC.

2. The tenderes must enclose authorization certificates specific to this enquiry from each of the OEMs whose equipment forms part of the offered HPC solution.

3. Bidder must submit Power and Cooling arrangements required for the proposed solution or any other additional hardware/software for proposed solution if require. Partial response to this tender will be summarily rejected.

4. The systems offered must be latest products from the manufacturers. Obsolete/ retired/ on the verge of obsolescence systems/ subsystems must not be offered. Products going end-of-life in 12 months from last date of tender must not be quoted.

5. All equipment must be compatible with Indian electrical standards and codes. Engineering documentation on the weights of all major and minor components must be submitted as per physical sizes.

6. Bidder should have atleast 1 years of proven experience in installation and managing HPC setups.

7. The bidder/OEM should also have 2 years experience of annual maintenance for HPC infrastructure projects.

8. The firm/company should be ISO 9001 certified (Maintenance & System Integration). Please attach a copy of the certificate.

9. Server OEM should have support center in Kanpur/Lucknow/Delhi.

10. The price details of each hardware & software item (optional or otherwise) must be provided separately.

11. Software and optional hardware items which will be supplied free and which will be charged for, should be indicated separately. Restrictions on software usage, if any, should also be indicated.

12. Complete technical information of the solution (hardware, software, network, etc) must be provided for each item separately to ensure that the equipment offered is in conformity with the specifications.

13. The vendor must submit technical compliance report for all the specifications. It should contain for each specification the compliance status, remarks, supporting document reference stating the compliance clearly.

14. At the time of installation, if it is found that some additional hardware or software items are required to meet the operational requirement of the configuration, but not included in the vendor's original list of deliverables, the vendor shall supply such items to ensure the completeness of the configuration at no extra cost to IIT Kanpur.

15. The bidder should have at least 10 cr turnovers last 3 years. Details of the same needs to be attached in technical bid.

16. Incomplete and ambiguous tenders are liable to be rejected.

17. Entire solution to be implemented within 10 weeks after purchase order released, Delay in delivery will have penalty of 2% of order value per week to total of 10% of order value.

18. Provide separate quotations for different configurations.

Sincerely,
Ashoke De