



Department of Electrical Engineering
Indian Institute of Technology, Delhi
Hauz Khas, New Delhi 110016

NIQ no. IITD/EE/PLN03-BEEN/IEC/1

Due Date: **13.9.2011, 5 PM**

Notice inviting quotations for a computational server

Sealed quotations are invited for a computational server. The required specifications are given below. The purchase will be made through a two part bidding process. Technical and Financial bids have to be made separately. Complete technical information should be provided along with the Technical bid. Please refer to the last page on Terms and Conditions for details on how and when to submit Technical and Financial bids.

Required Specifications for the computational server

1. Processor: Latest generation x86-64 processor, 2x six core processors (at least 2.66GHz clock speed, 3MB L2 cache, 6MB L3 cache).
2. Memory: 32GB DDR3 memory, dual ranked for two processors, 1333MHz.
3. Hard disk controller: Capability to install 12 high performance hard disks.
4. The hard disks will be installed as a RAID-6. A RAID-6 controller should be included.
5. Hard disks: At least 8 250GB 7500rpm SATA 3.5-inch hot-plug hard drives.
6. A RAID adapter for an external JBOD (512MB of internal memory) should be included.
7. Network interface card: One dual port gigabit ethernet network interface.
8. Chassis: Rack mountable. Sliding rails with cable management arm should be included.
9. Chassis: The entire rack-mount-server should be of dimensions smaller than $3U \times 75 \text{ cm} \times 46 \text{ cm}$.
10. No optical drives needed.
11. USB interfaces: At least two USB ports required.
12. Operating system: No operating system required. We will be installing ubuntu server edition.
13. Power supply: Single 750 Watt power supply operating from 220 Volts 50 Hz line.

14. Maximum heat dissipation of 2850 BTU per hour.
15. Energy Star compliance report to be provided.
16. Acoustics: The upper limit sound power level calculated according to section 4.4.2 of ISO 9296 (LWAd) should be less than 7 Bels.
17. Warranty: 3 year on-site warranty is required.

Prof. G.S. Visweswaran
(Chairman, purchase committee)

Terms and Conditions

1. Please submit the TECHNICAL and FINANCIAL bids in separate sealed envelopes. Mark the two envelopes clearly as “Technical Bid” and “Financial Bid” respectively. Both the sealed envelopes should be sent in a single sealed envelope, clearly marked as “Quotation for a computational server”. The quote should reach the following address on or before **13.9.2011, 5 PM**.

Dr. S. Chatterjee
VLSI Design Tools and Technology
Block IV, Room 202
IIT Delhi, Hauz Khas
New Delhi, 110016
2. Please quote prices for CIF New Delhi, inclusive of all taxes and duties.
3. Quote should be in Indian Rupees for Indian agents, or in foreign currency, for foreign agents, and needs to be valid for at least three months.
4. Attach all the technical literature and a list of similar installations done in India.
5. 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.
6. Complete set of manuals for the operation of the equipment should be given.
7. Clearly specify the installation requirements - such as space, power, frequency, environment etc.
8. If the item quoted is proprietary in nature, please enclose proprietary certificate from the principals stating, “Certified that _____ is a proprietary item of M/s _____ and no other manufacturer makes this item.”
9. Please attach a signed and stamped compliance chart for the specifications. The format of the compliance chart is attached to this document.
10. Please specify all of your terms and conditions clearly, including delivery period.
11. Mode of payment for purchases in foreign currency are through irrevocable letter of credit. Only bank charges within India are payable by IIT Delhi, all bank charges outside India are the responsibility of the seller. For purchases in INR, payment is on delivery.
12. The Institute reserves the right to accept or reject any or all quotations without assigning any reasons thereof.

Prof. G.S. Visweswaran
(Chairman, purchase committee)

Compliance chart

	Parameter	Requirement	Model spec	Complies?
1	Processor	2 processors, 6 cores each > 2.66 GHz > 3 MB L2 cache > 6 MB L3 cache		
2	Memory	32 GB DDR3, dual ranked		
3	Hard disks	Upto 12 3.5 inch hard disks		
4	RAID	RAID-6 controller to be included		
5	Hard disk drives	8 × 3.5 inch 7200 rpm SATA		
6	External RAID	RAID adapter for external JBOD with 512 MB		
7	Network	Dual port gigabit ethernet		
8	Chassis	Rack mountable Dimensions smaller than 3U × 75 cm × 46 cm		
9	Optical drive	None		
10	USB	Two ports		
11	Operating system	None		
12	Power supply	Single 750 Watts		
13	Heat dissipation	Maximum 2850 BTU per hour		
14	Energy Star	Compliance required		
15	Acoustics	LWAd < 7 Bels		
16	Warranty	3 year on-site		