Notice inviting quotations for two computational servers

Sealed quotations are invited for two computational servers. 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 each computational server

1. Processor: Latest generation x86-64 processors, dual-socket, each processor with eight cores, with at least 2.60 GHz clock speed, and 16 MB cache. An example of a compliant processor is Intel Xeon E5-2650v2. Other processors with equal or larger number of cores, equal or larger cache, and equal or greater clock speed, would be acceptable.

2. Memory: 64 GB DDR3 memory, dual ranked for two processors, 8 DIMMs, 1600 MT/sec.

3. Hard disk controller, and chassis: Capability to install 8 hard disks.

4. The hard disks will be installed as a RAID-5/6. A RAID-5/6 controller should be included. The dedicated RAID controller should have a minimum dedicated cache of 1 GB.

5. Hard disks: 8x500GB 7200 rpm SATA 3.5-inch hot-plug hard drives.


7. Chassis: Tower.

8. No optical drives needed.

9. USB interfaces: At least four USB ports required.

10. Operating system: No operating system required. Debian Linux may be pre-installed, if needed.

11. Power supply: Single 750 Watt power supply operating from 220 Volts 50 Hz line.

12. Important Maximum heat dissipation of 2000 BTU per hour.
13. Energy Star compliance report to be provided.

14. **Important** Acoustics: The upper limit sound power level calculated according to section 4.4.2 of ISO 9296 (LWAd) should be less than 5 Bels.

15. Warranty: 3 year on-site warranty is required.

16. Delivery and installation: Within 2 weeks of placed order.

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**Dr. S. Chatterjee**  
(Chairperson, 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 two computational servers”. The quote should reach the following address on or before 5.8.2014, 5 PM.
   
   Dr. S. Chatterjee  
   VDTT Office, IV-202  
   IIT Delhi, Hauz Khas  
   New Delhi, 110016

2. Please quote prices for FOB and CIF, New Delhi, inclusive of all taxes and duties.

3. Quote should be in Indian Rupees for agents of Indian manufacturers, or in foreign currency, for agents of foreign manufacturers, 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. Either the Indian agent on behalf of the principal/OEM, or the principal/OEM can bid, but both cannot bid simultaneously.

7. Complete set of manuals for the operation of the equipment should be given.

8. Clearly specify the installation requirements - such as space, power, frequency, environment etc.

9. 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.”

10. Please attach a signed and stamped compliance chart for the specifications. The format of the compliance chart is attached to this document.

11. Please specify all of your terms and conditions clearly, including delivery period.

12. Mode of payment for purchases in foreign currency are through irrevocable letter of credit, or preferably, through wire transfer on delivery. 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.

13. The Institute reserves the right to accept or reject any or all quotations without assigning any reasons thereof.

   Dr. S. Chatterjee  
   (Chairperson, purchase committee)
## Compliance chart

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Requirement</th>
<th>Model spec</th>
<th>Complies?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Processor</td>
<td>2 processors, $\geq$ 8 cores each</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>$\geq$ 2.60 GHz</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>$\geq$ 16 MB cache</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Memory</td>
<td>64 GB DDR3, dual ranked, 8 DIMMs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Hard disks</td>
<td>Upto 8 3.5 inch hard disks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 RAID</td>
<td>RAID-6, 1 GB memory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Hard disk drives</td>
<td>8 × 3.5 inch 7200 rpm SATA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Network</td>
<td>Dual port 10Gbps ethernet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 Chassis</td>
<td>Tower</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 Optical drive</td>
<td>None</td>
<td></td>
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</tr>
<tr>
<td>9 USB</td>
<td>Four ports</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 Operating system</td>
<td>None or Debian</td>
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</tr>
<tr>
<td>11 Power supply</td>
<td>Single 750 Watts</td>
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</tr>
<tr>
<td>12 Heat dissipation</td>
<td>$\leq$ 2000 BTU per hour</td>
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<tr>
<td>13 Energy Star</td>
<td>Compliance required</td>
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<tr>
<td>14 Acoustics</td>
<td>LWAd $\leq$ 5 Bels</td>
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<tr>
<td>15 Warranty</td>
<td>3 year on-site</td>
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</tr>
<tr>
<td>16 Delivery</td>
<td>Within 2 weeks</td>
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