

List of Items Required, Ref. CSEN/2013/001/DSTX/SPLX dt. 16.04.2013, Amended on 18.04.2013

1. Compute Servers, Quantity: 3 to 5

- 2 CPU, with 6 Core, Intel Xeon E5 family processor at minimum 2.0 Ghz clock speed and minimum TLC of 10 MB
- 64 GB RAM (with provision to expand to 512 GB); minimum DDR3 at 1333 MHz
- 1 TB storage capacity (with provision to expand capacity)
- Ethernet 1Gbps, 4-port Network Adapter
- Power and Thermal sensors (and possibly, other sensors)

Note: Three (out of 5) OR Two (out of 3) of these servers are to be delivered to IIT Mandi (under equipment loan arrangement with IIT Madras). System installation/service must be provided in Mandi/Chandigarh and Chennai.

2. File/Compute Server, Quantity: 1

- 2 CPU, with 6 Core, Intel Xeon E5 family processor at minimum 2.0 Ghz clock speed and minimum TLC of 10 MB
- 64 GB RAM (with provision to expand to 512 GB); minimum DDR3 at 1333 MHz
- 4 TB storage capacity (with provision to expand capacity)
- Ethernet 1Gbps, 4-port Network Adapter
- Power and Thermal sensors (and possibly, other sensors)

3. Cloud Server Software: Open Source Linux Operating System and Open Source Cloud Management Software (such as OpenStack, CloudStack, etc.)

4. Transportation and Installation costs to be included with the quote.

5. The following clarifications may be considered:

- (a) Rack-Mountable Servers
- (b) Power Supply: Redundant Power Supply
- (c) Warranty: 3 years on-site comprehensive warranty
- (d) Disk space specified is Raw Disk Space.
- (e) Prices can be quoted for separate brands: HP, Dell, Fujitsu, and IBM.

General Conditions

1. The bidder should have proven skills in Linux and experience in configuring OpenStack/CloudStack based systems.
2. Installation and integration of all supplied hardware and software shall be done by the bidder. The vendor shall install and configure all required hardware and software suites, including but not limited to racking and stacking, configuring all nodes, installation of compilers and applications, configuration of environment variables and license utility configuration.
3. The bidder must have supplied, installed and integrated at least 5 similar systems across India, preferably in IIT Madras / other IITs and R&D labs. Please provide a list of your installations.
4. Delivery time for the servers, from the date of issue of PO, should be indicated by the vendor.
5. The period of warranty will be for three years comprehensive on-site from the date of acceptance.
6. Total power consumption, electrical requirements and air conditioning requirement of the servers should be specified by the bidder.
7. Only OEM equipment should be quoted. Vendors should produce a certificate from the OEM they represent that they are partners and authorized resellers.
8. The servers must be tested in the factory. A test certificate should be issued by the OEM along with the system.

I may be contacted at skrishnam@iitm.ac.in or krishna.sivalingam@gmail.com or 97105-80903, if there are any questions.

Thanking You,



Krishna Moorthy Sivalingam
Professor, Dept. of CSE

cc: Prof. Hema Murthy, CSE, IIT Madras
Prof. Devendra Jalihal, EE, IIT Madras
Prof. Timothy Gonsalves, Director, IIT Mandi