

Tender Enquiry No IITD/SCFBio/Cluster/02

**Indian Institute of Technology Delhi**  
**Hauz Khas, New Delhi - 110 016**

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**Due Date: 16<sup>th</sup> March,2007**

**Subject: (A) Procurement of a 16 nodes Linux Cluster (B) 16 Ports Ethernet Switch**

**1. Background:**

**Supercomputing Facility for Bioinformatics & Computational Biology (SCFBio) IIT Delhi** intends to procure a multi node Linux cluster for different Bioinformatics/Biological applications along with a Ethernet Switch to interconnect the cluster nodes.

Sealed tenders (technical & commercial are to be provided separately) are, therefore invited from reputed vendors for the aforesaid purpose as per the details given in the technical specifications. These details are available on the IIT Delhi website [www.iitd.ac.in](http://www.iitd.ac.in) and SCFBio's web site: [www.scfbio-iitd.res.in](http://www.scfbio-iitd.res.in)

**2. Obtaining Bid Documents:**

- i) The bid documents can be downloaded from IIT Delhi website [www.iitd.ac.in](http://www.iitd.ac.in) or SCFBio website [www.scfbio-iitd.res.in](http://www.scfbio-iitd.res.in).
- ii) The bidder for this Cluster must deposit the quotation specifying Technical as well as Commercial details at Supercomputing Facility for Bioinformatics & Computational Biology (SCFBio), 3<sup>rd</sup> floor, Synergy Building, IIT Delhi" by **16<sup>th</sup> of March, 2007**.

**3. Submission of Proposals**

The Bid must be submitted in an organized and structured manner. No brochures/leaflets etc. should be submitted in loose form. The Technical Offer should consist of the following:

- a. A letter of authority duly signed by an authorized signatory.
- b. Complete Technical Specification along with Make, Model, Manufacturer and Part Number.
- c. Technical Documentation (Product brochures, leaflets, manuals etc.)
- d. Delivery and implementation schedule.
- e. Compliance of terms with any deviation clearly indicated in remarks.
- f. Warranty and AMC (Comprehensive Annual Maintenance) details.

**4. Bids Acceptance:**

The bid must reach at Supercomputing Facility for Bioinformatics & Computational Biology (SCFBio), 3<sup>rd</sup> floor, Synergy Building, IIT Delhi, New Delhi -100 016, Phone +91-11-26596786 on or before **16<sup>th</sup> March, 2007**. Bids received after the due date and time shall be rejected. In the event of due date being a closed holiday or declared holiday for central government offices, the due date for submission of the bid will be the following working day at the appointed time and venue.

**5. Evaluation Process:**

For the bidders satisfying the Qualifying Criteria and Technical Specifications, the price comparison shall be made over the total cost of the project with one years of comprehensive warrantee. The lowest price in terms of cost to performance ratio will be selected

**6. Rejection of Bids:**

IIT Delhi reserves the right to accept or reject any bid or cancel the tender proceedings without assigning any reason whatsoever.

**7. Clarifications:**

In case the bidder requires any clarification regarding the tender documents, they are advised to contact SCFBio, 3<sup>rd</sup> Floor, Synergy Building, IIT Delhi.

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**8. Inspection**

In case any inspection of tested service fail to conform the specifications, IIT Delhi may reject them and supplier shall make all alterations necessary to meet specification required free of cost to IIT Delhi.

**9. Warranty:**

**Three Years comprehensive onsite warranty** should be given by the vendor.

Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. No separate payment shall be made for the maintenance of equipment / hardware and software during the warranty period.

**10. Supply and Installation:**

- a. This is a time bound and high priority project. It must be understood that the bidder has made the proposal after fully considering all such factors, which may have any bearing on the time schedule. The bidder will be required to supply, install and enable services at all the locations **within 4 weeks** from the date of placement of work order in the order of priority as will be decided by IIT Delhi.

- b. The bidder will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc. at his own cost.
- c. IIT Delhi will have the right to reject the component /equipments supplied, if it does not comply with the specifications at any point of installation/inspections.

**11. Liquidated Damages:**

If the supplier fails to deliver any or all of the goods or complete the installation within the period specified in the purchase order, IIT Delhi shall without prejudice to its other remedies, deduct as liquidated damage **0.5 percent** of the price of the delayed goods for every week or part thereof while making the initial payment itself.

**12. Force Majeure:**

If there is a delay in performance of schedules of contract due to event of Force Majeure, IIT Delhi may deal with the case differently.

**13. Arbitration and Laws:**

Except where otherwise provided for in the contract, all questions and disputes relating to interpretation and application of the provisions of the contract shall be settled mutually within thirty (30 only) days (or such longer period as may be mutually agreed upon) for the date that either party notifies in writing that such dispute or disagreement exists, under the Rules of India Arbitration and Conciliation Act, 1996. The venue of Arbitration shall be New Delhi, India. The arbitration resolution shall be final and binding upon the parties and judgment may be entered thereon, upon the application of either party, by any court having jurisdiction. The Indian laws shall govern this contract.

## **Technical Specifications for the Proposed installation**

**Following are the clarification to the “Installation of the Linux Cluster at Supercomputing Facility for Bioinformatics & Computational Biology, IIT Delhi”.**

### **A) Linux Cluster**

- **Processors** – 64 bit high performance dual core Pentium P4/ Xeon processor per server.
- **Network** – should at least have two Ethernet ports on the master and one on each of compute nodes.
- **Main Memory** – Should have at least 2GB RAM on the master node and atleast 1 GB RAM on the compute nodes.
- The servers should have at least one video port and two USB ports.
- Removable media should be DVD-ROM on master and CD-ROM on the compute nodes.
- Should be certified to run Unix/Linux
- All components (connectivity cable, Rack(s), power components etc) required for the integration of the nodes should be provided by the vendor.

### **B) Ethernet Switch**

16 Ports(10/100 Mbps) Ethernet Switch to Interconnect the Cluster nodes.