



DEPARTMENT OF BIOTECHNOLOGY
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Professor and Head

Date: 22.01.2015

Ref: BT/SMAH/2014/039/SPL

Dt. 22.01.15

Due Dt.30.01.15

1. Quotations are invited in duplicate for the various items shown below/overleaf/ enclosed list.
2. The quotations duly sealed and super scribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
3. The quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS & D Rate Contract, Rate Contract Number and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the rate contract price. If so, please send copy of the R.C. (Please note that we are not Direct Demanding Officers).
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for should be submitted free of charges and collected back at the supplier's expenses.
6. **Local Firms:** Quotations should be for free delivery to this Institute. If quotations are for Ex-Godown, delivery charges should be indicated separately.
7. **Firms outside Chennai:** Quotations should be for F.O.R Chennai. If F.O.R. Consigner stationer freight charges by passenger train/lorry transport must be indicated. If Ex-Godown, Packing, forwarding and freight charges must be indicated.
8. The rates of Sales/General Taxes and the percentage of such other taxes legally livable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales/General Taxes will be admitted at any stage and on any ground whatsoever. **The taxes livable should take into consideration that we are entitled to have concessional sales tax applicable to non-government educational institutions run with no profit motive for which a Concession. Sales tax certificates will be issued at the time of final settlement of the bill.**
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. **Payment:** Every attempt will be made to make payment within 30 days from the date of receipt of bill/acceptance of goods, whichever is later.

Rack mount computer server

List of Items Required

A. 32 Core Computing Server, Quantity: 2 numbers

1. Processors: 2 x Intel Xeon Haswell Processor E5-2698 v3 (16 cores, 40M Cache, 2.30 GHz)
2. Memory: 128 GB DDR4 Reg. ECC RAM support for up to 24 DIMM sockets
3. Hard Disk Drives: 4x 1TB SAS hot-swap hard drives
4. SSD: 2x 250GB SATA MLC SSD
5. Operating system: Linux CentOS v 6.0
6. 1x 4-Port RAID Controller with support for RAID 0, 1, 5 & 6
7. Optical Drive: DVD-RW Drive
8. Dual-Port Gigabit LAN Controller.
9. 1x Single-Port QDR 40Gbps Infiniband Controller & 1x 2M QDR QSFP Infiniband Cable
10. Dedicated LAN for system management with suitable embedded server management technology.
11. Add-in card slots: At least 2 PCI Express X16 slots.
12. Chassis & Power Supply: Rack-mountable chassis with High-efficiency Redundant Power Supplies.
13. Rack mount rail kit
14. Three years comprehensive on-site warranty including parts and labour.

B. Data Storage server– 96 TB, Quantity: 1 number

1. Processors: 2 x Intel Xeon Haswell Processor E5-2620 v3 (6 cores, 15M Cache, 2.40 GHz)
2. Memory: 32 GB DDR4 Reg. ECC RAM support for up to 16 DIMM sockets
3. Capacity: 96TB
4. Drive description: 96TB based on 3.5" 7.2K RPM hot-swap SATA HDD (RAW) with provision to expand another 48TB (RAW)
5. Host interface: 4x 1GbE ports, 1x Single-Port QDR 40Gbps Infiniband Controller, 1x 2m QDR QSFP Infiniband Cable
6. Open-E DSS V7 Unlimited TB Storage software or equivalent with 3 years basic support
7. Redundant, hot swap power supplies
8. Redundant fans
9. Redundant, hot plug hard drives, integrated storage controller with flash backed write cache disk RAID 5, 6, and 10
10. Optical Drive: DVD-RW Drive
11. Compatible operating systems: Linux CentOS v 6.0
12. Enhanced Integration for Windows environments
13. Three years comprehensive on-site warranty including parts and labour.

C. Rack mount solution

1. 42U server rack mount solution with dual PDU and all required accessories
2. KVM
3. Rack-mountable 17 inch foldable TFT monitor

D. Infiniband Switch – 1x 8-Port QDR 40Gbps Infiniband Switch

General Conditions:

1. The bidder must have supplied, installed and integrated at least five similar systems across India, preferably in IIT Madras/other IITs/ R&D labs. Please provide a list of your installations.
2. Clearly indicate the taxes and any other duties (approximate, if exact value not known) in your quotation.
3. The period of warranty will be for **three years (comprehensive on-site)** from the date of acceptance.

Quotations supplied must have a validity period of at least 60 days.

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