



**INSTITUTE OF PHYSICS**  
(An autonomous research Institute of Dept. of Atomic Energy)  
P.O.-Sainik School, Bhubaneswar-751005, India  
**TENDER NOTICE NO. IOP/PUR/COMPUTER/05-06/01**

**Last Date of Receipt of the Sealed Quotations: 25-02-2006**

Item-wise sealed quotations are invited from manufacturers / authorised dealers for supply of the following Computer items. Quotations may be submitted for any or all of the Items.

**1. File Server (LINUX File Server Capacity 1TB)**

<b>Specifications</b>	<b>Description</b>	<b>Complied / Not Complied</b>	<b>Deviation (if any)</b>
Processor	Intel Xeon 3.4Ghz or above with 2MB L2 Cache and 64Bit Support (EM64T)		
Chipset	Intel® E7520 Chipset		
Special features	Dual Intel Xeon Processor Support.		
No of Memory Slots	8 DIMM Slots upgradeable to 16GB DDR2 ECC RAM		
Hot Swap Bays	Min. 4*HS SCSI HDD Bays		
Memory	2GB ECC DDR2 Memory		
Disk Station (JBOD)	Support for 14*HS SCSI Hard Disks Triple Redundant Power Supply Alarm for Failure U320 LVD SCSI Host Interface Support		
No.of HDDs	10*146GB Ultra 320 SCSI Hot Swap SCSI Hard disks		
RAID Controller	Adaptec U320 RAID Controller with 256MB Cache		
SCSI Controller	Dual Channel Ultra 320 SCSI Controller		
SATA ports	SATA controller with RAID 0 and 1		
Monitor	19" SAMSUNG LCD Color Monitor		
Floppy Drive	1.44MB Floppy Disk Drive		
Onboard -LAN	Dual Gigabit Ethernet Controllers with teaming, load balancing and auto failover features.		
Graphics controller	8MB Integrated Graphics Controller		
Ext. I/O Ports	2 Serial Ports, 4 USB Ports		
Keyboard	107 Keys or higher Keyboard		
Mouse	PS/2 Mouse with pad		
DVD Driver	INTERNAL DVD WRITER		
Redundant Power Supply	600W or more Redundant Power supply		
Management Software	Server Management Software with Hardware monitoring, Out of Band Management on LAN		

Tape Drive	Internal LTO Tape Drive (100/200GB Capacity)		
LTO Media	1Box of 10 LTO Tapes (100/200GB)		
Cleaning Tape	Cleaning media for the LTO (each.)		
Certifications	Windows 2003, RedHat Linux, Novell, SCO Unixware and SuSe Linux.		

### 2a. Configuration for Dual Xeon Computer systems for Clusters: (Option-I)

Specifications	Description	Complied / Not Complied	Deviation (if any)
CPU Type	Dual Intel Xeon 3.2Ghz or above, FSB-800MHz, 2MB Cache		
Chipset	Intel® E7320 Chipset		
Special features	1. Support Intel 's new Extended Memory 64 Technology 2. Can Support and Run both 32 bit and 64 bit OS and Applications.		
No.of cpu	2 Numbers		
Memory	1GB DDR-II 400 Registered ECC		
No of Memory Slots	4* DDR DIMM Slots		
Max Memory	Upgradable up to 8GB		
PCI Slots	2*32 Bit /33Mhz(5v) 2*64bit/64mhz(3.3v) 1* PCI Express - 4X slots		
Onboard -LAN	Dual Gbit on board		
SATA ports	2 ports , Built in ICH5 With Raid 0,1 Support		
IDE Controller	4* onboard IDE controller ports		
On-board VGA controller	8MB of Video SDRAM		
External I/O Ports	2 * PS/2, 2 * Serial ports, 4 * USB		
Mgmt Software	ISM 8.0 Basic versions.		
Hard Disk	160GB SATA 7200RPM Hard disk		
CD-ROM	52X IDE CDROM Drive		
Keyboard	Internet Keyboard		
Mouse	Scroll Mouse with PAD		
Floppy Drive	1.44MB Floppy Drive		

## 2b. Configuration for Dual Xeon Computer systems for Clusters: (Option-II)

Specifications	Description	Complied / Not Complied	Deviation (if any)
CPU Type	Intel Itanium-2 @1.6GHz with 3MB L2 Cache		
Chipset	<b>Intel® E82870 Chipset</b>		
No.of cpu	2 Numbers		
Memory	1GB DDR266 memory with ECC		
No of Memory Slots	8 DIMM sockets		
Max Memory	Upgradable up to 16GB		
PCI Slots	Total 3 PCI slots ( 2 x 64 bit/100 Mhz PCI-X slot , 1 x 64 bit ,133 Mhz slot )		
Onboard -LAN	Dual Gbit on board		
SCSI ports	onboard Dual U320 SCSI		
On-board VGA controller	onboard ATI Rage XL VGA 8 MB SDRAM		
External I/O Ports	1 * Serial ports, 4 * USB		
Power Supplies	3 hot-swap 350-W power supplies in a redundant		
Hard Disk	146GB U320 Hot Swap SCSI HDD		
CD-ROM	52X IDE CDROM Drive		
Keyboard	Internet Keyboard		
Mouse	Scroll Mouse with PAD		
Floppy Drive	1.44MB Floppy Drive		
Rack mountable	2U Rack Mountable		

### 3. KVM Switches:

Specifications	Description	Complied / Not Complied	Deviation (if any)
KVM Switch	16Port KVM Switch with Cables ( With daisy chain function up to 128 nodes may be controlled)		

### 4. Optional Items:

Specifications	Description	Complied / Not Complied	Deviation (if any)
Memory for Cluster PC (Option-I)	1GB DDR-II 400 Registered ECC		
Memory for Cluster PC (Option-II)	1GB DDR266 memory with ECC		

## **GENERAL TERMS AND CONDITIONS:**

Bid should be submitted in two parts, Technical Bid and commercial bid, to be submitted in separate envelopes. Quotations may be submitted for any or all of the Items

**Eligibility:** The bidder or supplier shall have a sufficient experience in the installation and maintenance of Computers.

- a. The bidder must have an annual turn over of Rupees 100 Crore and above.
- b. The Vendor should quote for items which are ISO-9001 Certified

Bid shall remain valid for 60 days after the date of bid opening.

The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of contract without assigning any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds for the Purchaser's action.

It is mandatory for bidder to enter into AMC agreement, if awarded by the purchaser. However awarding the AMC will be purely discretion of purchaser, it will not be binding for the purchaser to award the AMC agreement.

Direct support from Computer manufacturer/OEM should be provided for Installation / Warranty / AMC support.

Delivery should be completed with in 4 weeks from date of purchase order.

Payment will be made after Delivery, Installation and commissioning of the items supplied.

Prices quoted should be inclusive of all Taxes however the Institute is a non-profit educational & research organization for which special discount, if any, should be specially mentioned.

### **Technical bid should contain.**

- I. Certificate of incorporation
- II. Articles of Memorandum of Association or partnership deed or proprietorship as the case may be.
- III. Latest & Valid copy of STCC/VAT Clearance Certificate and PAN Copy.
- IV. At least 3 copies of Large Orders executed of value more than Rs. 1Cr.
- V. Technical brochures confirming to the specification required for the items quoted.
- VI. Undertaking for providing two years AMC followed by one years warranty.
- VII. Undertaking for Direct Support from Computer Manufacturer/OEM
- VIII. Letter of undertaking for supply of hardware in the format enclosed in Annexure –A
- IX. Support Infrastructure details at Bhubaneswar.
- X. Support Escalation matrix for Installation and Support during warranty /AMC Period.
- XI. % of AMC Value per annum should be mentioned.
- XII. Proof of Turnover for last 3 years
- XIII. Copy of ISO-9001 Certification.
- XIV. Compliance and Deviation statements.
- XV. Acceptance letter for Terms and conditions mentioned in the tender.

### **Commercial bid should contain:**

- I. Price for the items inclusive of all taxes.
- II. % of AMC rates for post warranty support.

## Annexure-A

### **Sub: Undertaking of authenticity for Desktops and Server Supplies**

This has reference to Desktops and Servers being supplied /quoted to you vide our quotation no \_\_\_\_\_ dated \_\_\_\_\_.

We hereby undertake that all the components/parts/assembly/software used in the Desktops and Servers under the above like Hard disk , Monitors , Memory etc shall be original new components/parts/ assembly /softwares from respective OEMs of the products and that no refurbished/duplicate/ second hand components/parts/ assembly / software are being used or shall be used.

We also undertake that in respect of licensed operating system if asked by you in the purchase order shall be supplied along with the authorised license certificate (eg Product Keys on Certification of Authenticity in case of Microsoft Windows Operating System) .and also that it shall be sourced from the authorised source (eg Authorised Microsoft Channel in case of Microsoft Operating System)

Should you require, we shall produce certificate from our OEM supplier in support of above undertaking at the time of delivery. It will be our responsibility to produce such letters from our OEM supplier's within a reasonable time.

In case we are found not complying with above at the time of delivery or during installation , for the Desktops and Servers already billed, we agree to take back the Desktops and Servers if already supplied and return the money if any paid to us by you in this regard.

Authorised Signatory  
(Company Secretary)

Name:

Designation