



INTERNATIONAL
CENTRE *for*
THEORETICAL
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

International Centre for Theoretical Sciences
(ICTS)

Survey No. No. 151, Shivakote, Hessarghatta,
Bangalore – 560 089, India

Tel: +91 - 80 – 6730/4653 6000

TENDER NOTICE No. 15/FEB/2017

**ADDENDUM NO. 1 to TENDER NOTICE No. 15/FEB/2017 FOR SUPPLY, INSTALLATION OF
HIGH PERFORMANCE COMPUTING CLUSTER**

13 March 2017

The following Addendum is issued to our **TENDER NOTICE NO. 15/FEB/2017, Ref No. ICTS/TIFR/IT/2016-17/05** for “Tender for Supply & Installation of High Performance Computing Cluster” to include the following changes in the Specifications:-

As in tender:

Mandatory Clause: Hardware and software support for the cluster should be directly from the OEM to qualify for this tender

Read as:

Mandatory Clause: Hardware support and tested operating system (pl. refer point 7, preferred OS) for the cluster should be directly from the OEM to qualify for this tender

As in tender:

Mandatory Clause: The entire solution must be factory integrated, tested, validated and certified. No on-site or local assembling of the system at ICTS site is allowed. Only rack-mounting, OS and application installation is allowed on-site

Read as:

Mandatory Clause: The servers must be factory integrated, tested, validated and certified. No on-site or local assembling of the system at ICTS site is allowed. Only rack-mounting, OS and application installation is allowed on-site

As in tender:

Master node: Minimum 256GB (16x16) ECC DDR4-2400Mhz or better RAM in balanced configuration for optimizing the memory bandwidth

Read as:

Master node: Minimum 256GB (16x16 or 8x32 or better) ECC DDR4-2400Mhz or better RAM in balanced configuration for optimizing the memory bandwidth. A minimum of 4 empty DIMM slots for future expansion.



As in tender:

Master node: 2 x 10 Gbps Ethernet ports

Read as:

Master node: 2 x 10 Gbps Ethernet ports (SFP+ ports with modules for connecting to switch)

As in tender:

Compute Node: Minimum 64GB (16x4) ECC DDR4-2400Mhz or 4GB/Core RAM whichever is higher (in balanced configuration for optimizing the memory bandwidth)

Read as:

Compute Node: Minimum 64GB (16x4 or 8x8 or better) ECC DDR4-2400Mhz or 4GB/Core RAM whichever is higher (in balanced configuration for optimizing the memory bandwidth). A minimum of 4 empty DIMM slots for future expansion.

As in tender:

Compute Node: 1 x 1000 GB NL SAS or Enterprise SATA3 Hot Swappable HDD 7200rpm (Hard disk: Hitachi Ultrastar, Western Digital or equivalent)

Read as:

Compute Node: 1 x 1000 GB NL SAS or Enterprise SATA3 Hot Swappable HDD 7200rpm and a provision for second Hot Swappable HDD (Hard disk: Hitachi Ultrastar, Western Digital or equivalent)

As in tender:

SPARES TO BE SUPPLIED :

1. At least five hard disks of each type installed
2. At least four power supply of each type installed
3. At least six memory modules of each type installed
4. At least one processor of the type installed

Read as:

SPARES TO BE SUPPLIED :

1. At least five hard disks of each type installed in compute node
2. At least four power supply of each type installed in compute node
3. At least six memory modules of each type installed in compute node
4. At least one processor of the type installed in compute node



5. At least two memory modules of each type installed in master node
6. At least one power supply of each type installed in master node

Additions to Pre-qualification for bidder:

II. Pre-qualification for bidder:

Point No. 10. The OEM/Bidder should have valid ISO certification. Please attach a copy of the certificate.

Please enclose the **Addendum No. 1 Dt. 13/03/2017** with your Signature, Date & Stamp along with the **TECHNICAL BID**.

All other terms and conditions of the Tender Enquiry shall remain unaltered.

Thanking you,

Yours faithfully,

For and on behalf of International Centre for Theoretical Sciences,

Administrative Officer

