



भारतीय प्रौद्योगिकी संस्थान रोपड़  
INDIAN INSTITUTE OF TECHNOLOGY ROPAR  
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No. 742-16/CH-10033/VSSC-ISRO/PS

02/01/2017

**NOTICE INVITING QUOTATION**

Sealed tenders are invited from the manufacturers/authorized dealers for the purchase of following items. Please send your offer superscribing on cover of the envelope: (i) Name of the item, (ii) Reference no. of this letter; and (iii) Last date & time of receipt of tenders. Offers should reach on or before the last date and time.

Sl. No.	Description	Qty
1.	Compute Nodes (Detail Specification as per annexure - A)	2 No.

**Bid Schedule :**

a). Last date of receipt of tender:	<b>24.01.2017 up to 03:00 PM</b>
b). Opening of tenders on:	<b>24.01.2017 at 03:30 PM</b>
c). Place of submission of tenders:	<b>Office of the Registrar, Room No. 104</b>
d). Place of opening of bids :	<b>Conference Room.</b>

**NB:**

- (i) Please take note of the instructions overleaf before submitting your offer.
- (ii) Tenders received late shall not be considered.
- (iii) Tenders will be opened as per the above schedule in the presence of bidders, if any.

**Registrar**

## INSTRUCTIONS

### **1) FOR IIT Ropar**

Rates offered should be on FOR IIT Ropar basis. Comparison will be made on Net price (including everything i.e. installation/freight/taxes etc.)

### **2) Payment**

### **3) Warranty**

Period of warranty should be clearly mentioned and also the parts covered under it. Warranty will be calculated from the date of successful installation.

### **4) Customs Duty or Excise Duty**

IIT Ropar is exempted from the payment of Customs Duty/Excise Duty. CDEC/EDEC with DSIR certificate will be provided along with the purchase order (If applicable).

### **5) Validity of offer**

The offer submitted should have the validity of atleast 90 days from the date of opening of bids.

### **6) Service Facility**

Supplier should mention about the service set up in India and how capable they are to provide after sales service.

### **7) Brochure/Templates**

The suppliers must support the quoted specifications with the help of original printed manuals of the equipments and must highlight the specification details in the original manual

### **8) Liquidated Damages**

In case the firm fails to execute the supply as per the purchase order in whole or in part as per the terms and conditions of PO, IIT Ropar can impose the penalty @1% per week of the undelivered stores, subject to a maximum of 10%. It will also be open to the institute to procure the required item(s) from any other source at the risk and expense of the firm.

**Note: The Director, IIT Ropar reserves the right to accept/reject any or all quotations without assigning any reasons thereof.**

### Technical Specifications for Each Compute Node (2 Nos.)

Processor	1 x Intel® Xeon processors E5-2640v4 (10-Core, 2.4GHz, at least 25M Cache) scalable to dual processor in future
RAM	64GB DDR4-2133 ECC RDIMM using 16GB or 32GB DIMMs (at least 8 DIMMs) support for 1TB using 3DS ECC LRDIMM memory modules
HDD(s)	1 x 1 TB, 7200 RPM, Enterprise SATA HDD (Min 3 HDD Bays)
NIC	2 x Gigabit (10/100/1000Mbps) Ethernet ports on-board (only Intel)
Interconnect	Single Port 40 Gbps Interconnect Host Card Adapter for intercommunication
Graphics	Graphics using on board graphics controller
Management	On-board IPMI 2.0 with dedicated LAN and KVM over LAN support
Expansion Slot	At least 1 x PCI-Express x16 (low-profile) to support 100Gbps HCA in future additional PCIe slot for proprietary expansion cards
Ports	2 USB, 2 x Network, 1 x Management, 1 x interconnect, 1 x Video
Chassis	2U rack-mountable with sliding rails, shared by 4 compute nodes. 2 nodes to be populated at present and rest two be vacant and unpopulated nodes to be supplied with MBDs
Certification	RHEL/SUSE Certified System
GNU Toolchain	Pre-installed GNU Toolchain, with required support
DOM	At least two SATA DOM for mounting Operating System images
OS	64 Bit Enterprise Linux Operating System
Power Supply	At least 1500W, 1+1 redundant, hot-plug power supplies (80PLUS Titanium) shared power supplies among multiple nodes.
Cluster Integration and Service	Nodes to be integrated with existing cluster and required HPC services need to be provided. Nodes must be individually serviceable after integration without affecting the functioning of rest of the cluster. Training by certified professionals for 1 day in 2 sessions to be provided.
Warranty	3 years onsite comprehensive warranty

### Bidders Qualifying Criteria and General Specifications

1. One OEM can authorize one partner and one Bidder can quote one OEM product only.
2. OEM/Bidder should have sales and support office in the Country.
3. An undertaking is required from the OEM/Bidder that they have not been black listed by any Government agency (State or Central) or PSU in India.
4. OEM/Bidder's adequate documented experience during last 3 years in setting up of HPC clusters and maintenance at CFTIs in the Country.
5. Bidder has to quote as per mentioned specifications for entire solution. Partial offers are not acceptable.
6. Bidder should provide the peak power consumption rating (watts) and peak air conditioning rating (tonnage) required for the proposed solution. All the equipment must be compatible with Indian electrical standards and codes.
7. Bidder should provide the Bill of Material (BoM) with manufacture's part no. for the items proposed to meet the complete solution. Bidder should certify that the item proposed are sufficient to integrate the proposed solution into a production mode.