

# INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B, RAJA S.C.MULLICK ROAD  
JADAVPUR, KOLKATA -700032

TENDER NOTICE NO.:IACS / Theo. Phy. / A.Sen / 2015-16 / 49

Date: 01.02.2016

Indian Association for the Cultivation of Science invites **Tenders for one Compute cluster with four nodes in a 2U rack mount form factor or equivalent (Eight sockets in 2U)**. The bids are to be submitted in Two-Bid pattern i.e. Technical Bid and Price Bid in two separate sealed covers distinctly marked accordingly and both to be put inside another envelope, which should be sealed and superscribed with tender reference no., due date and time of opening. Two bids, i.e. Technical Bid and Price Bid, should be identical in all respects except that the Technical Bid should have blank space at the places where prices have been stated in the Price Bid.

The technical bids will be opened first to evaluate the technical specifications of the equipment and thereafter the price bids of only the technically qualified companies will be opened. The bidders should submit bids duly signed in their own letterheads.

Complete tender should reach the **Office of the Department of Theoretical Physics, Indian Association for the Cultivation of Science, 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata-700032, India** on or before scheduled date & time specified below.

<b>Tender Notice No.:</b>	
<b>Pre-bid meeting to discuss technical specifications</b>	<b>18.02.2016 at 15:00 hrs</b>
<b>Last date and time of submitting tender</b>	<b>07.03.2016 at 15:00 hrs</b>
<b>Date and time of opening tender</b>	<b>07.03.2016 at 15:00 hrs</b>
<b>Place of opening tender</b>	Theoretical Physics Seminar Room (C404), 3 <sup>rd</sup> Floor, Centenary Building, I.A.C.S., Kolkata
<b>Technical Bid Evaluation Committee Meeting</b>	10.03.2016 at 15:00 hrs
<b>Contact</b>	Email: <a href="mailto:tpars@iacs.res.in">tpars@iacs.res.in</a> , Tel: +91-33-2473 4971 (extn.: 2283)

**Technical Bid Evaluation:** The Technical Bids will be evaluated on March 10, 2016 at 3:00 p.m. at Theoretical Physics Seminar Room (C404), 3<sup>rd</sup> Floor, Centenary Building, I.A.C.S., Kolkata in the presence of the representatives of intending bidders who will be able to clarify technical aspects of their bids, if any, required by the Technical Evaluation Team.

**Opening of price-bid:** The Price Bids of the bidders qualifying the technical bid will only be opened, the date of which will be intimated to the short-listed bidders at their email addresses. The rest of the bids will be rejected.

Please note that IACS will not provide any accommodation or expenses to any of the bidders for attending opening of technical bid.

## 1. TECHNICAL SPECIFICATIONS:

Detailed Technical Specifications acceptable for the **Compute cluster with four nodes in a 2U rack mount form factor or equivalent (Eight sockets in 2U)** are as follows:

### Technical specification of each node is given below:

<b>Motherboard</b>	Should have two/four sockets accommodating Haswell processors with QPI of 9.6 GT/s
<b>Processor</b>	4 x Intel ® Xeon ® processor Haswell 16C E5-2698v3 (2.3GHz)
<b>Memory</b>	16 x 8 GB DDR4 2133 ECC RDIMM
<b>Storage</b>	2 x 1TB Enterprise SATA 3.0
<b>NIC</b>	Gigabit Ethernet
<b>Chassis</b>	2 U
<b>Power Supply</b>	Redundant (Titanium level)
<b>OS</b>	Linux (Freeware)

**Service facility:** Trained technicians should install the instrument and ensure it is operating correctly and within specifications. Supplier should mention their details of service setup that are responsible for after sales support.

## 2. PRICE BID:

The financial bid indicating (item-wise) price for the item(s) mentioned in the technical bid should be kept in a separate sealed envelope duly superscribed as "PRICE BID" on the outer cover of the envelope as already detailed above. The price bids of only technically qualified bidders will be opened and they will be intimated the date and time of opening of price bids at their email id-(s). Rest of the bids will stand rejected.

**PRICE:** Price to be quoted on CIF & EX WORKS & FOB. **Price of the equipment to be quoted in US\$.**

## BID SECURITY:

1. The financial bid should be superscribed as "PRICE BID" on the outer cover of the envelope.

2. **EMD to be paid by the Indian Agent in INR.** An Account Payee Demand Draft of Rs. 65,000/- (approximated in INR) (Rupees sixty five thousand only) drawn in favour of "Indian Association for the Cultivation of Science" is to be furnished along with Technical Bid as Bid Security money (or EMD). Bidders registered with the Central Purchase Organizations, National Small Industries Corporation etc. may be exempted from paying EMD subject to their submission of a copy of valid registration certificate with their Technical Bids, failing which their bids will be rejected.

3. The Demand Draft/ Pay Order for the Bid-Security money should have at least 45 (forty five) days validity period after the opening of the Bids.

4. In case of non-award of the contract, the Bid Security money would be returned to the bidders.

### **PERFORMANCE SECURITY:**

1. An Account Payee Demand Draft/Bank Guarantee of an amount of 10% of the order value in the name of "**Indian Association for the Cultivation of Science**" is to be furnished by the successful bidder to be awarded the contract, as "Performance Security" money.

2. Performance Security should remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.

3. Bid Security would be refunded to the successful bidder on receipt of Performance Security.

### **GENERAL INSTRUCTIONS:**

1. **Vendor Eligibility:** The bids must be submitted by OEMs or OEM supported single vendors only with original authorization certificates from the OEMs. Vendors should have proven experience in setting up a High Performance Computing Centre (HPCC) of minimum 50 TFLOPS in the last three years in India and a minimum of 3 installation of at least 1 TFLOPS in Kolkata Region. A brief proof for such experience (copies of orders/installation certificate) should be included in the technical bid. Part Quotation by a vendor is not admissible as future warranty and maintenance are difficult in the cases of fragment purchases. The OEM/OEM supported vendor should have their own service centre in Kolkata with technical knowhow to troubleshoot HPCC requirements. Subleasing of service/technical support by OEMs or OEM supported vendors is not admissible. The response time should not be more than 24 hours/next working day.

2. **Submitting Tender:** The Tender must contain materials related to this specifications and should not contain materials that can overtly or covertly try to canvass for the vendor. The vendors are allowed to deviate from the specifications given below only when such deviations are demonstrated to be technically superior. Additional features in the quoted items which are better than those in the indent – may be highlighted. The technical bid should not have any mention of pricing. The commercial bid should have the pricing for each option separately. Prices should be inclusive all charges (taxes/duties as applicable, shipping charges, delivery at site, installation etc.) with clearly indicated breakups. Fax, e-mail Tender will not be accepted. Duplicate Bid document must be submitted in Separate closed cover.

3. **Installation and Commissioning:** Free of cost at IACS, Kolkata. The vendors are required to give an estimate of the time required for installation, fine-tuning of the cluster and hand-holding/training of the principal users in the technical bid. The vendor shall be responsible for setting up of High Performance Linux Cluster using Enterprise Linux OS or equivalent (to be provided by vendor).

4. **Compliance List:** The vendor must submit a table indicating the compliance of the features of the model of the components being quoted with those given in the indent. In case of non- compliance against a particular item, the vendor should justify that.

5. **Post-sales service:** The vendor must submit the names of the service engineers employed by them who are competent to serve the HPCC installation along with their contact details in India.

6. **Tender updates:** Prospective bidders may please refer to our website <http://www.iacs.res.in>, occasionally for any update on the tender which may appear from time to time either in respect of pre-bid meeting or otherwise.

7. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof “**Eight socket compute cluster**”. should clearly be written on the envelope.

8. At any time prior to the bid due date, IACS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder during pre-bid meeting, modify the bidding documents. The amendment(s) will be notified on the Institute website. Prospective bidders are advised to occasionally visit the website ([www.iacs.res.in/tender](http://www.iacs.res.in/tender)) for any amendment.

9. **Payment:** 100% against delivery and successful installation subject to submission of performance guarantee.

10. **Warranty:** Minimum 3 years.
11. **Installation/Demonstration/Application Training at site:** Free of cost by the supplier.
12. **Service facility:** Supplier should mention their details of service setup and personnel in Kolkata who would be responsible for after sales support. Response time should be within 24 hours.
13. **Validity of tender:** Tender submitted shall remain valid at least for three months from the date of opening of the tender. Validity beyond four months from the date of opening of the tender shall be possible by mutual consent.
14. The tender should accompany a compliance chart.
15. The rate should be inclusive of all taxes, transportation etc. Nothing extra will be paid in addition to the quoted rate.
16. The model number, make, and a printed literature of the product shall be submitted positively.
17. Proposed delivery schedule should be mentioned clearly.
18. Manufacturers/exclusive distributors/vendors should have history of supplying similar type of instruments to this or other Scientific Organization(s).
19. Authorized Dealership Certificate is a must in case of principal manufacturing company not quoting directly.
20. One OEM may be represented by only one vendor.
21. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.
22. In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of technical bids will be the following working day at the appointed time.
23. In case of any dispute, the decision of the Institute authority shall be final and binding on the bidders.
24. For any clarification regarding technical specifications etc. please send your queries to "Dr. Arnab Sen" at [tpars@iacs.res.in](mailto:tpars@iacs.res.in).
25. The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

