

**INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE 2A &  
2B, RAJA S C MULLICK ROAD, JADAVPUR, KOLKATA 700032**

**Invitation for Tender for Supply of "Intel**

**Xeon work station"**

**Notice No. IACS/ I.C./ S.Goswami / 2015-2016/ 52 Dated: 17.02.2016**

Indian Association for the Cultivation of Science invites Sealed Tenders for purchase of Intel Xeon work station to be procured from DST SERB project funds(File No. EMR/2014/000520). 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 super scribe with the following IACS' Tender Notice No., Due date and time of opening. The Technical Bid should have blank space at the places where prices have been quoted in the Price Bid. The bidders may submit bids duly signed in their own letterheads. In case the scheduled date of opening of tender is declared as holiday, the tender will be opened on the next working day at 3.00 P.M. The technical bids will be opened first to evaluate the technical specifications of the equipment and the price bids of the technically qualified companies only will be opened thereafter. Complete tender bids should reach the Office of Registrar, Indian Association for the Cultivation of Science, 2A & 2B, Raja S C Mullick Road, Jadavpur, Kolkata 700032, West Bengal, India, on or before the scheduled date & time specified below:-

<b>Tender Notice No.</b>	<b>IACS/I.C./S.Goswami/2015-2016/52 Dated 17.02.2016</b>
<b>Last Date and Time of Submission of Tender</b>	<b>03.03.2016 at 12:30 hrs</b>
<b>Date, time and placed of opening of Technical part of Tender</b>	<b>03.03.2016 at 15:00 hrs JC Bose Meeting Room</b>
<b>Date, time and placed of opening of Financial part of Tender</b>	<b>07.03.2016 at 15:00 hrs JC Bose Meeting Room</b>
<b>Contact Details</b>	<b>Prof. Sreebrata Goswami e-mail: <a href="mailto:icsg@iacs.res.in">icsg@iacs.res.in</a> Phone: +91 (0)33 2473 4971, Ext 1356</b>

## 2. PRICE BID:

The financial bid indicating item- wise price for the items mentioned in the technical bid should be kept in a separate sealed envelope duly super scribed as “PRICE BID” on the outer cover of the envelope as already detailed above.

(a) The total price of the Intel Xeon work station has to be quoted in Rupees .

(b) The price bid of only technically qualified bidders will be opened and they will be intimated the date and time of opening at their email id-s.

Rest of the bids will stand rejected.

## BID SECURITY:

1. An Account Payee Demand Draft/ Pay Order for Rs. 50,000/- (Rupees fifty Thousand only) drawn in favor 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.

2. The Demand Draft/ Pay Order for the Bid-Security money should have at least 60 (sixty) days validity period after the opening of the Bids.

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

## PERFORMANCE SECURITY:

1. An Account Payee Demand Draft of 10% of the order value drawn in favor 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. Total estimated budget is below Rs 500000/- (five lakh only).

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.

4. 100 % through letter of credit 90% to be released on deliver and balance 10% against successful installation and commissioning subject to submission of performance guarantee.

### 3. TECHNICAL BID:

The Intel Xeon work station would comprise of the following components:

Technical Specifications:

(a) (i) Microsoft Keyboard & Microsoft USB optical Mouse (ii) LED Monitor 22" wide (Make:- Dell/Samsung)

(b) Configuration of Processor:

Dual Intel Xeon Processor E5-2630V3 (20M Cache, 8Cores, 16 Threads, 2.40GHz), (85W).

(c) Configuration of Chipset:

Intel Dual Socket Server Board(Model-S2600CW2)

(d) Configuration of Memory:

256 GB (16GBx16) DDR4 2133 MHz ECC Registered

(e) Configuration of Drives:

2 TB SATA Enterprise Class 7.2K RPM

(f) Configuration of Chassis Tower:

Intel Server Chassis With 750 Watt Redundant Power Supply (Model-P4304XXMFEN2)

(g) Configuration of Optical Drive:

DVD Writer 24X SATA

(h)Warranty: Three (3) years on-site OEM warranty for all components and parts and labor.

The warranty period will commence from the date of certification of successful installation of the equipment.

(i)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 CENTOS Linux distribution or equivalent (to be provided by vendor).

(j) Vendor Eligibility:

(I)The bids must be submitted by OEMs or OEM supported single vendors (one vendor one OEM) only with original authorization certificates from the OEMs. Vendors should have proven experience in setting up a Intel Xeon work station of minimum 1 TFLOPS in the last three years in India. A brief proof for such experience (copies of orders/installation certificate) should be included in the technical bid.

(II) Vendor should be responsible along with OEM in providing support (Software and hardware) for the machine during the warranty period. Hence the vendor should be the service provider and OEM would provide the parts. Vendor should provide that they have technical knowhow to troubleshoot and provide proper service.

(III) Vendor should have service engineers stationed at Kolkata and should respond to service calls within 24 hours of receiving a notice from IACS. Additionally, the vendor (service provider) should have an office in Kolkata. The vendor has to provide contact details of service engineers and its office in Kolkata

(IV) Vendors should have proven experience in setting up a Intel Xeon work station 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.

(V) It will be highly desirable if the vendor has proven capability to install some commonly used quantum chemistry programs like Gaussian, ADF, Gamess, Polyrate, NWChem, Molpro, DeMon2K, NAMD, VASP, Quantum Espresso. Parallelized installation of quantum chemistry codes like Gaussian 09 TCP Linda is highly desirable. Vendor also should have adequate experience in installing and setting up NAMD, GROMACS, LAMPPS and other popular molecular dynamics codes.

Additional Information to be furnished by the vendor:

(i) UPS back up: The vendor should furnish information regarding UPS and associated battery requirements for operating the HPC cluster in a stable fashion.

(ii) Power, Heating and Cooling: Power consumption and heat dissipation estimate for the total cluster should be mentioned clearly.

Additional Requirements:

**(i) 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.

**(ii) Training:** Free training on operation, maintenance and troubleshooting of the whole HPCC Solution should be imparted to at least 2 persons for a period of one week at the site of installation.

**\*\*Please Note:** The decision of the Technical Committee on technical competence and eligibility of any technical bid submitted by any vendor would be final and cannot be contested.

### 3. GENERAL INSTRUCTIONS:

**(i) Submitting Tender:** The Tender must contain materials related to these

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 of all charges (taxes/duties as applicable, shipping charges, delivery at site, installation etc.) with clearly indicated break- ups.

Fax, e-mail Tender will not be accepted. Duplicate Bid document must be submitted in Separate closed cover.

**(ii) Post-sale service:** The vendor must submit the names of the service engineers employed by them who are competent to serve the Intel Xeon work station installation along with their contact details in India.

**(iii) 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.

**(iv) Ineligible Tenders:** Incomplete and conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof. Tender Notice and tender for 'Intel Xeon work station' should clearly be written on the envelope.

**(v) In case of any dispute,** the decision of the Institute authority shall be final and binding on the bidders.

ACTING  
REGISTRAR

