

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032

FORMAT OF TENDER (Website)

NIT No.: IACS-P/SCSSA/24-25/10

Date: 22.05.2024

Sealed tender in two bids system (technical bid and price bid) is invited from bonafide, resourceful and eligible manufacturer/exclusive distributor/vendors for a **High Performance Computer Cluster**.

Part-I (Technical Bid) of the tender should contain technical specifications in detail as well as commercial terms and conditions. Part-II (Price Bid) should clearly indicate group-wise price, if needed, as mentioned in the technical bid. The Technical Bid and Price Bid are to be submitted in separately sealed envelopes, distinctly marked accordingly and both to be put inside another envelop, that should be sealed and superscribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letterheads.

Completed tender bids should reach the office of **School of Chemical Sciences, Indian Association for the Cultivation of Science (IACS)**, 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata-700032 on or before the scheduled date and time specified below:

Tender Notice No.	NIT No. : IACS-P/SCSSA/24-25/10 Date: 22.05.2024
Date, time and venue of Pre-bid meeting to discuss technical specification	20.06.24 at 11:30 am (online meeting via Google meet)*
Last date and time of submitting tender	02.07.24 within 2:00 pm
Date, time and venue of opening technical bid of the tender	05.07.24 at 12:00 pm in Raychudhuri Hall
Date, time and venue of opening the price bid of the tender	10.07.24 at 12:00 pm in Raychudhuri Hall
Contact	Email: pcs@iacs.res.in Tel.+91 33 2473 4971 [Ext. 2119]

*If you wish to participate in the online Pre-bid meeting, please write a mail to the email account (pcs@iacs.res.in) on behalf of your company so that the required link can be sent prior to the online meeting.

The technical bids will be opened first to judge/evaluate the technical specifications of the said instrument and thereafter the price bids of only technically qualified bidders will be opened.

Technical Bid Evaluation: The Technical Bids will be evaluated 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 reimburse any expenses to any of the bidders for attending opening of technical bid.

1. TECHNICAL BID

The technical bid should contain technical specifications and should be kept in a separate sealed envelope duly super scribed as 'TECHNICAL BID' on the outer cover of the envelop as already detailed above. It should be clearly mentioned on the envelope as "Technical Specification for High Performance Computer Cluster".

Technical Specification for High Performance Computer Cluster

MASTER NODE WITH STORAGE	
Features	Specification
Processor	X86_64 16C/32T 2.9G 24M 11.2GT 185W 4189 M1
No. of Processors	Minimum two or More Per Node. 32 Cores (64 threads) Per Node.
RAM	128 GB DDR4-3200 ECC RDIMM, Scalability after populating current set of DIMMS must be up to 3 TB or Higher
SSD	2 x 960GB, SATA, 2.5", 3D TLC, 5DWPD
HDD	6 x 12 TB NL SAS/SATA ENT HDD 7.2 K RPM
Raid Controller	Raid Controller Supports Raid 0,1,5,6,50,60 with 8Gb Cache
Chassis	2U form factor
P. Supply	1000W Redundant Power Supplies
Compute Nodes X 9 Nos	
Processor	X86_64 16C/32T 2.9G 24M 11.2GT 185W 4189 M1 or higher
No Of Processors	Minimum two or More Per Node. 32 Cores (64 threads) Per Node.
RAM	256 GB DDR4-3200 ECC RDIMM, Scalability after populating current set of DIMMS must be up to 3 TB or Higher
SSD	960GB, SATA, 2.5", 3D TLC, 5DWPD
Chassis	2 U form factor
P. Supply	1000W Redundant Power Supplies

Warranty:

- i. The Comprehensive Warranty shall be for a period of 3 years from the date of satisfactory installation, testing, commissioning and handing over the equipment which covered under warranty in working order. During the Warranty period the replacement of any part(s) of the equipment or rectification of the defective product will be free of cost.
- ii. If, the tender is required to replace the rejected equipment and/ or other articles, he will replace them forthwith, but not later than a period of 14 (fourteen) days from the date of rejection. The tenderer shall bear all cost of such replacement, including freight, if any, of such replacement or repaired equipment and/ or other articles but without being entailed to any extra payment on that or any other account.
- iii. Vendor shall make necessary arrangements for keeping the sufficient spares at site to minimize the down time.
- iv. Software or hardware updates released by the OEM should be installed by the vendor free of cost within the warranty period.
- v. Warranty should be offered directly by the OEM.
- vi. Single point of contact for all communication related with after sales and support.

Service Facility: Supplier should mention the details of their service setup and man powers in India, preferably Kolkata.

Technical compliance chart should be provided following format,

Sr. No	Tender specification	Your offered instrument specification	Extent of compliance

Tender will not be accepted if the technical compliance chart is not provided following the above format.

2. PRICE BID

The financial bid indicating (item-wise, if required) 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 envelop as already detailed above. Price bids of only technically qualified bidders will be opened and the corresponding manufacturer/exclusive distributor/vendors will be intimated the date and time of the opening of price bid at their e-mail ids. Rest of the bidders will stand rejected.

PRICE: Price to be quoted on CIF Kolkata and also FOB basis.

3. BID SECURITY: Declaration in terms of amendment F.1/2/2023-PPD dated 01.01.2024

a. An Account payee Demand Draft/Pay Order for Rs. 1,80,000.00 (One lac eighty thousand only) drawn in favour of "Indian Association for the Cultivation of Science (State Bank of India, Jadavpur University Branch, A/C No. 11079699211, IFSC: SBIN0000093, MICR Code: 700002048)" is to be furnished by the bidders except those who are registered with the Central Purchase Organizations, National Small Industries Corporation or the concerned Ministry or Department. Bid Security money or Earnest Money Deposit (EMD) may be deposited in Bank Guarantee or any other acceptable form.

b. The Demand Draft for the Bid-Security should have at least 90 (ninety) days validity period of opening of the bids.

c. In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders.

4. PERFORMANCE SECURITY:

An Account Payee Demand Draft of 5% of the order value in the name of "Indian Association for the Cultivation of Science" is to be furnished by the successful bidder as Performance security. Performance security money should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. Bid security money or EMD will be refunded to successful bidder on receipt of the Performance security money.

GENERAL INSTRUCTIONS

1. Validity of tender: Tender submitted should remain valid for at least six months from the date of opening the tender. Validity beyond six months from the date of opening of the tender shall be lapsed by mutual consent.

2. The tender should accompany a compliance chart.

3. Incomplete and conditional tenders as well as tenders received after the due date will be summarily rejected without assigning any reasons thereof.

4. 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) for any amendment.

5. Payments: 100% against delivery and successful installation or 100% Letter of Credit.

6. Installation, User training 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 the cluster using CENTOS Linux distribution or equivalent (to be provided by vendor)

7. Service facility: In India, preferably Kolkata, supplier should mention their details of service setup and man powers who are responsible for after sales support. Response time should be within 24 hrs.

8. The model number, make and a printed literature of the product should be submitted positively.

9. Proposed delivery schedule should be mentioned clearly. Delivery of the materials to the PI should be within 60 days from the date of purchase order.

10. Manufacturers / exclusive distributors / vendors should have history of supplying this type of instruments to this or other scientific organizations. Availability of a list in this regard would be preferred.

11. Authorized dealership certificate should be provided in case of principal manufacturing company is not quoting directly.

12. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.

13. In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of the technical bids will be the following working day at the appointed time.

14. In case of any dispute, the decision of IACS authority shall be final and bidding on the bidders.

15. For any clarification regarding technical specifications, information etc., please send your queries to Professor Satrajit Adhikari (pcsa@iacs.res.in).

16. The authority of IACS reserves the right to reject any or all of the tenders received without assigning any reason thereof.

17. Bidder should submit their past experience for supplying and successful installation of similar units to other research Institute/Universities/other organization in India. Please provide documentary proofs of such successful installation and project completion. Also, a compliance table (see below) must be prepared and submitted along with the technical bid

Sr. No	Item	Tender specification	Your offered instrument specification	Extent of compliance
1	High Performance Computer Cluster			

18. Bidder should enclose copy of following documents:

- i. Trade license.
- ii. Company Registration certificate.
- iii. Bid specific OEM Authorization certificate is mandatory.
- iv. GST registration certificate.
- v. PAN GST certificate to be submitted.
- vi. Similar 3 Purchase Order.
- vii. Income Tax Return (for the last 3 years ending 31.03.23).
- viii. Audited Balance Sheet and profit loss account statement (for the last 3 years ending 31.03.23).
- ix. A list of clients where HPC cluster has been installed should also be provided.
- x. Documentary proof of Servicing facility and service engineer stationed at Kolkata.
- xi. Documentary proof of the vendor/bidder working in this field for at least last 3 years.
- xii. Annexure-I in letter head with company seal and sign.

