



OPEN TENDER NOTICE NO: 06/2017

Indian Institute of Science Education and Research (IISER), Tirupati, an autonomous Institute established under Ministry of HRD, Government of India. IISER is devoted to both teaching and research of the highest caliber in a totally integrated way. The Government of India, through the Ministry of Human Resource Development (MHRD), has established IISER Tirupati from academic year 2015-16. IISER, Tirupati would like to procure the following equipment for its day to day research. The Technical Specifications are given in **Chapter 4: Schedule of Requirements/Specifications and Allied Technical details** are appended herewith.

- **Items** : HPC 20 node cluster, 150 TB of parallel file storage with 5 GB / sec performance, along with necessary software
- **Quantity** : 01 Nos
- **Tender Enquiry No** : IISERT-PUR-0063-17
- **Pre-bid Conference Time& Date** : 2.30 PM to 4.30 PM on 30 November 2017
- **Time and Date of Submission:** Before 03.00 PM on 21 December 2017
- **Time and Date of opening Technical Bid:** At 03.30 PM on 21 December 2017

Prospective BIDDERS may submit their offers to The Director, Indian Institute of Science Education and Research, Karakambadi Road, Mangalam, Tirupati-517507, India

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CHAPTER-1. INVITATION FOR BIDS

1. Indian Institute of Science Education and Research (IISER), Tirupati invites sealed tenders for **HPC 20 node cluster, 150 TB of parallel file storage with 5 GB / sec performance, along with necessary software.** The Technical Specifications are given in Chapter 4: Schedule of requirements/Specifications and allied Technical details.

2. The BIDDERS are requested to give detailed tender in their in two Bids i.e

Part - I: Technical Bid.

Part - II: Commercial Bid.

3. **Contact for information:**

Technical & Commercial contact: Assistant Registrar (Admin & Purchase)
Indian Institute of Science Education and Research (IISER), Tirupati
C/o Sree Rama Engineering College,
Karakambadi Road,
Mangalam,
Tirupati – 517 507, India
Tel: +91 - 0877 2500208
Fax: +91 - 0877 2500250

4. **A Pre-bid conference will be held at IISER Tirupati, Admin Section, Karakambadi Road, Mangalam, Tirupati-517507 on 30/11/2017 from 2.30 PM to 4.30 PM (IST). All prospective bidders are requested to kindly submit their queries to the address indicated above or email at purchase@iisertirupati.ac.in so as to reach latest by 29/30/2017. During Pre-bid meeting the answers/clarifications to the queries will be made available and also uploaded on our website. No queries will be entertained after the Pre-bid meeting.**

5. Supply means: “Supply, Installation, Commissioning and satisfactory demonstration of the whole system and training” at IISER Tirupati. If any charges extra are payable for Installation, Commissioning and training, the same should be specified in the commercial offer.

6. **Submission of Bids:**

(i) Place: Admin Section of IISER, Tirupati - 517 507, India.

(ii) Pre-bid Conference – 2.30 PM to 4.30 PM on 30 November 2017

(iii) Time and Date of Submission: Before 3.00 PM on 21 December 2017

(iv) Time and Date of opening Technical Bid: At 03.30 PM on 21 December 2017

IISER, Tirupati will not be responsible, for submission / delivery of quotation at wrong places other than the Admin Section of IISER, Tirupati - 517 507, India

8. **Two Bid System:**

The two bid system should be followed for this tender. In this system the BIDDER must submit his offer in **two separate sealed envelopes**. Both the technical bid and commercial bid envelopes should be securely sealed and stamped separately and clearly marked as “**Envelope No.1 – Technical Bid**” and “**Envelope No.2 – Commercial Bid**” respectively. Both the sealed envelopes should be placed in a third larger envelope. The main envelope which will contain both the bids should be super scribed with our **tender enquiry IISERT-PUR-0063-17 due on 21 December 2017** and to be submitted to the address given below so as to reach on or before **03.00 PM on 21 December 2017**

**The Director,
Indian Institute of Science Education and Research (IISER)
Karakambadi Road,
Mangalam,
Tirupati – 517 507, India**

The envelopes must be super-scribed with the following information:

- Tender Reference Number
- Due Date
- Name of the Vendor

- **Envelope No. 1 : Shall contain “Technical Bid” and Earnest Money Deposit (EMD)**

The technical offer should not contain any price information.

The Technical Bid must be submitted in an organized and structured manner. No brochures/leaflets etc. should be submitted in loose form. Please indicate page nos. on your quotation eg. If the quotation is containing 25 Pages, please indicate as 1/25, 2/25, 3/25 -----25/25.

The Technical Offer should comprise of the following:

- (i) The technical bid should contain commercial terms with reference to the tender.
- (iii) The technical offer should be complete to indicate that all products and services asked for are quoted. Each page of the bid and cutting/corrections shall be duly signed and stamped by the BIDDER. **Unsigned Tenders will also be rejected.** Failure to comply with this requirement may result in the bid being rejected.
- (iv) The purpose of certain specific conditions is to get or procure best Equipment/service etc. for IISER, Tirupati. The opinion of Technical Committee shall be the guiding factor for technical short listing.
- (vii) Undertaking that the successful BIDDER agrees to give a security deposit amounting to 10% of the purchase order value by way of Demand Draft in favor of The Director, IISER Tirupati.
- (viii) Duly filled in technical bid with proper seal and signature of authorized person on each page of the bid should be submitted and the same should accompany with complete specifications, Manufacturer’s name, address and relevant Technical Literature/Brochures with warranty Terms and EMD.

- (ix) If the bid is for branded makes, authorization letter from principals clearly indicating that the vendor is the competent authority to sell and provide services towards the items mentioned in the scope of supply given in this tender document.
- (x) **User List :**
 - a) The list of users specifically for the same model/make of the quoted item (not the list of general users) along with the complete name, address & contact numbers of the user organizations/persons may be submitted with the quotation along with the performance certificates from all/some of them.
 - b) If you have supplied identical or similar equipment to other IISERs/IITs /CSIR Labs/Institutes., the details of such supplies for the preceding three years shall be given together with the prices finally paid. Indicate the names of the Indian reputed Organizations where you have supplied similar equipment and may attach the satisfactory performance report of the equipment from user Organization.
- (xi) Solvency certificates (not older than twelve months) issued by Scheduled/ Nationalized bank with which BIDDER holds the current account.
- (xii) Copy of LST/CST/WCT No. PAN No. and TIN No. allotted by the concerned authorities. If registered with the National Small Industries Corporation, the registration number, purpose of registration and the validity period of registration and a copy of DGS&D registration wherever it is applicable should also be provided in Technical Bid.
- (xiii) The prices should be shown against each item for the purpose of Insurance claims / replacements if any.
- (xiv) List of deliverables / Bill of materials and services.
- (xv) In case of Foreign quote, the address of Principal's / Manufacturer's and their Banker's details should be furnished.
- (xvii) The item should be supplied with manuals and the manuals including technical drawings should be complete in all respects to operate the system without any problem.

9. Specifications

Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our specifications. At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. A quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer and the specifications mentioned in the quotation must be reflected/supported by the printed technical leaflet/literature. Therefore the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation. Non-compliance of the above shall

be treated as incomplete/ambiguous and the offer can be ignored without giving an opportunity for clarification/negotiation etc. to the quoting party

10. Compliance Statements:

- a) Bidders must furnish a Compliance Statement of each and every required Specification of our tender in the format at ANNEXURE–‘B’. The deviations, if any, from the tendered specifications should be clearly brought out in the statement. Technical literature/leaflet showing the compliance of the specification may also be attached with the quotation.
- b) Similarly, the Compliance Statement/questionnaire for Terms & Conditions of the tender may be furnished, as per the enclosed format at Annexure –‘A’, along with quotation (with techno- commercial bid in case of two bid tender system).
- c) The firms are advised to submit both the compliance statements essentially along with their quotation failing which their offer may not be considered.

Bid documents should be submitted as per the above sequence with Index page and page numbers (including technical literature). Each page of the bid should be signed & stamped in original. Unsigned bids will not be considered for evaluation.

➤ **Envelope 2 : “Commercial Bid” shall contain:**

- (i) Price schedule complete in all respects with proper seal and signature of authorized person. It should also contain the Comprehensive AMC charges for post warranty period as per the terms of the tender. The optional and any other essential items / accessories required for the maintenance of the equipment for the next seven years should also be specified in the offer separately. Discount offered should be mentioned clearly in the commercial bid only.
- (ii) Cost of all the items should be mentioned clearly and individually in the Commercial Offer (Part-II) only.
- (iii) The BIDDERS are requested to quote for Educational Institutional Price for Equipment and software, since we are eligible for the same.

11. Date of opening the Technical Bids.

Technical Bids will be opened on – 21 December 2017 at 03.30 PM at:

**Indian Institute of Science Education and Research (IISER)
Karakambadi Road,
Mangalam,
Tirupati – 517 507, India**

The Technical bids will be opened in the presence of the BIDDERS on the specified time and date. BIDDERS/Agents who have responded to the tender only will be allowed to be present.

The technical bids will be evaluated to shortlist the eligible BIDDERS. The commercial bids of only the short listed BIDDERS shall be considered for further processing.

BIDDERS whose technical offer is found acceptable and meeting the eligibility requirements as specified in this tender will be informed about the date and time of the opening of the commercial bid.

Note: (i) Please do not insert ‘Commercial Bid’ (prices quoted) in the technical bid envelope. If the price quoted is submitted with technical bid the tender will be rejected.

(ii) No camera mobiles / mobiles are allowed during tender opening.

(iii) The bid can be submitted in person or through post/courier (IISER will not be responsible for delayed / late quotations submitted / sent by Post / Courier etc. resulting in disqualification/ rejection of any bid) so as to reach IISER Tirupati on or before the due date and time. Fax / E-mail tenders will not be considered unless it is asked for. The BIDDERS' authorized representative can attend the bid opening.

(iv) No request for extension of due date will be considered under any circumstances.

(v) No sub-contracting is allowed with regard to installation, commissioning, training, warranty maintenance and after sales service. This is the sole responsibility of the Principals'/their authorized agents

12. **Formation of Technical Evaluation Committee**

The Technical Evaluation Committee(s) will be constituted by Director, IISER, Tirupati. He may nominate some external expert members, in the interest of IISER, Tirupati.

13. **Terms of the Technical Committee**

(i) On the due date the Technical bids will be opened and referred to the Technical Committee which is duly constituted by the Director, IISER, Tirupati. The committee will go through the technical aspects of the tender and recommend short listed firms. The recommendation of the technical committee is the final and binding on all the parties.

(ii) The technical evaluation will be an assessment of the Technical Bid. IISER, Tirupati representatives will proceed through a detailed evaluation of the Technical Bids as defined in **Chapter IV (Schedule of requirements, specifications and allied technical details)**, in order to determine whether they are substantially responsive to the requirements set forth in the tender. In order to reach such a determination, IISER, Tirupati will examine the information supplied by the BIDDERS, and shall evaluate the same as per the specifications mentioned in this tender.

- (iii) The technical committee may formulate evaluation criteria in addition to the specifications and requirements indicated in the tender, in the interest of IISER, Tirupati and this criteria/recommendation will also form as a part of short-listing of the firms.
- (iv) The Technical Committee will examine all the Technical aspects of the bids received. Further, the Technical Committee may seek additional information from the existing users at IISER, Tirupati or from other Institutes and also call for Technical presentations from the BIDDERS if it is required so.
- (vi) The information received and the bids already submitted together will be examined with reference to the tendered specifications and evaluation is made by the Technical Committee.
- (vii) After the technical evaluation is completed and approved, IISER, Tirupati shall inform to the BIDDERS whose bids have been rejected technically with the reasons for rejection.

The commercial offers of the vendors whose technical offers are found to be technically deficient or do not meet the qualification criteria as specified in this tender will be returned to them without opening along with their EMD.

- (viii) The successful BIDDERS will be informed regarding the date and time of Commercial bid opening
- (ix) The purpose of obtaining two bids (technical and commercial) is to evaluate all the firms on technical basis with reference to the tendered specifications, performance of similar Solutions/Applications elsewhere, obtaining users views with reference to the earlier supplies. This will enable the technical committee to arrive at a fair recommendation in the interest of the organization.
- (x) In the event of seeking any clarification from various BIDDERS by IISER, Tirupati, the BIDDERS are required to furnish only technical clarifications that are asked for. No amendment to commercial bid will be entertained at that stage. In case if a BIDDER fails to quote for a particular item it amounts to non-compliance and hence such bid will not be considered for further evaluation. Further during this process if any BIDDER indicates the price during the clarification such bids also will not be considered for further evaluation.

14. **Opening of Commercial Bids**

- (i) IISER will open commercial bids of only the short listed BIDDERS, in the presence of the BIDDERS or their authorized representatives who choose to attend the commercial bid opening. The Date and Time of opening the Commercial Bid will be intimated only to pre-qualified and technically acceptable BIDDERS for the item at a later date. The representatives of short listed firms only will be allowed for commercial bid opening.

- (ii) The BIDDER's representative who is present shall sign an attendance register as a proof of having attended commercial bid opening.
- (iii) The BIDDER's name, bid prices, discounts, EMD and such other details considered as appropriate by IISER, will be announced at the time of opening.

14. EVALUATION OF BIDS:

- a) IISER Tirupati shall correct arithmetical errors on the following basis:
 - (i) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected.
 - (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (iii) If there is a discrepancy between words & figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.
- b) Selling exchange rate/equivalent to Indian currency will be as on the date of bid opening in the case of single bidding and the rate on the date of opening of the priced bids in the case of two-part bidding.
- c) **The bids shall be evaluated on the basis of final landing cost as per format given in Price Schedule in case of import / indigenous items.**
- d) The comparison between the indigenous and the foreign offers shall be made on FOR destination basis and CIF/CIP basis respectively. However the CIF/CIP prices quoted by any foreign bidders shall be loaded further as under :
 - Towards customs duty and other statutory levies-as per applicable rates.
 - Towards custom clearance, inland transportation etc. – 2% of the CIF/CIP value.
- e) Where the price quoted on FOB/FCA and CIF/CIP basis are the same, the Contract would be made on CIF/CIP basis only.
- f) The Vague terms like “packing, forwarding, transportation..... etc. extra” without mentioning the specific amount/percentage of these charges will not be accepted. **Such offers shall be treated as incomplete and rejected.**
- g) After arriving at final pricing of individual offers of all the short listed firms, the lowest firm will be awarded with Contract/Purchase Order.

- 16. The Director, IISER, TIRUPATI reserves the right to accept the offer in full or in parts or reject summarily or partly.

CHAPTER-2 : INSTRUCTIONS TO BIDDERS

1. PREPARATION AND SUBMISSION OF OFFERS:

a) Quotation should be submitted directly by the original manufacturer/supplier or its sole authorized distributor/dealer/Indian Agent. In case of bid by authorized dealer/distributor/Indian Agent, the manufacturer authorization should be attached with the technical bid as per **Annexure-‘D’**.

One Indian Agent can participate in a tender on behalf of one manufacturer only. No offer will be entertained if the same Indian Agent is representing another manufacturer for the same item.

b) In case a bidder is not doing business within India, it shall furnish the certificate to the effect that the bidder is or will be represented by an agent in India equipped and able to carry out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period or ensure a mechanism at place for carrying out the supply, maintenance, repair obligations etc. during the warranty and post-warranty period.

c) The bidder shall bear all costs associated with the preparation and submission of its bid irrespective of the conduct or outcome of the bidding process.

d) The bidder should not indulge in any corrupt, fraudulent, collusive, coercive practices during the entire process of procurement and execution of contract/order.

e) Before the deadline for submission of the bid, IISER TIRUPATI reserves the right to modify the bidding document and to extend or not to extend the date of submission. Such amendment/modification will be hosted on IISER TIRUPATI website.

d) Conditional tenders will be summarily rejected.

e) A bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice signed by the authorized signatory before the date of submission of the bid. Any re-submission or modification in the bid should be submitted before the date & time of submission of bid as originally conveyed in the invitation of bid.

f) No bid may be withdrawn, substituted or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form or any extension thereof.

In case of above, first envelope marked “WITHDRAWAL” shall not be opened, but returned to the Bidder subject to submission of valid authorization to request the withdrawal. In case of substituted and modified bid, only the substituted bids and modified bids will be opened subject to production of authorization from the bidders.

The offers must contain the following documents :-

(A) Techno-commercial offers must contain:

- (i) Manufacturer authorization as per **Annexure –‘D’**.
- (ii) Certificate by bidder not doing business in India.
- (iii) Technical literature/ leaflets and complete specifications of quoted model(s) along with commercial terms and conditions.
- (iv) Compliance statement/questionnaire of tender terms and conditions as per **Annexure-‘A’**
- (v) Compliance statement of specifications as per **Annexure- ‘B’**
- (vi) Bid Security/EMD as per **Annexure- ‘C’**

- (vii) In case of exemption from submission of Bid security, proof of registration with DGS&D/NSIC .
- (viii) Copies of previous supply orders as per **Annexure –‘E’**.
- (ix) Details of supplies of similar equipment's – **Annexure ‘F’**.

2. Delivery Period / Timeliness

- 2.1 The deliveries & installation must be completed **within 2 months** after placement of purchase order. The time is the essence of the contract. It is mandatory for the BIDDERS who respond to this bid to meet these expectations, as are tightly linked to IISER, TIRUPATI's plans of completing the project within the time frame.

3. Earnest Money Deposit (EMD)

- 3.1 The tender documents must be accompanied by Earnest Money Deposit (EMD)

HPC 20 node cluster, 150 TB of parallel file storage with 5 GB / sec performance, along with necessary software. – Rs. 1,96,000/- (Rs One Lakh Ninety Six Thousand only)

EMD in the form of Bank guarantee (As per format enclosed as ANNEXURE-‘C’) or Demand Draft of a scheduled bank in the name of Director, IISER, Tirupati valid for 180 days from the date of opening of the tender. The firm registered with DGS&D/NSIC as manufacturer for the supply of the same category of item for which the party is submitting quotation will be exempted from submission of EMD. Intended parties will have to give proof of registration along with their quotation. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after finalization of the purchase of concerned item. The party must therefore, submit a pre-receipted Bill in triplicate along with the quotation (in case of EMD sent in form of Bank Draft) to enable us to refund their EMD.

- 3.2 The BIDDER who submits the tender on behalf of their principals should produce documentary evidence in support of their authority to quote or submit proforma invoice of their principals. In case the BIDDER is not represented by any Indian Agent the Bank Guarantee valuing **US \$ 3050.00 (USD Three Thousand and Fifty Only)** should accompany the Technical Bid towards EMD.
- 3.3 In case of bids in Foreign Currency, the Indian Representative / dealers can submit the EMD in INR to IISER, Tirupati without any relaxation.
- 3.4 The Bank Guarantee is insisted due to steep fluctuations in foreign exchange hence the foreign DD's are not accepted towards EMD.
- 3.5 Bids submitted without EMD will stand rejected. EMD will not be accepted in the form of cash / cheque. No interest is payable on EMD.
- 3.6 The EMD will be returned to the BIDDERS(s)/Agents whose offer is not accepted by IISER, TIRUPATI within one month from the date of the placing of

the final order(s) on the selected BIDDER(s). In case of the BIDDER(s) whose offer is accepted the EMD will be returned on submission of Bank Guarantee as Security Deposit (SD). However, if the return of EMD is delayed for any reason, no interest / penalty shall be payable to the BIDDERS.

3.7 **The successful BIDDER, on award of contract / order, must send the contract / order acceptance in writing, within 15 days of award of contract / order failing which the EMD will be forfeited.**

3.8 The EMD shall be forfeited:

3.8.1 If the BIDDER withdraws the bid during the period of bid validity specified in the tender.

3.8.2 In case a successful BIDDER fails to furnish the Security Deposit.

4. **Security Deposit**

4.1 Within ten (15) days of the award of contract, the vendor shall furnish a Security Deposit amounting to 10% of the purchase order value in the form of Demand Draft/Bank Guarantee **(from scheduled Bank only)** favoring the Director, Indian Institute of Science Education and Research, Tirupati.

4.2 The IISER will forfeit the 10% security deposit if vendor fails to execute the order as per the Purchase Order. This Security Deposit will be refunded to the vendor only on successful installation of the EQUIPMENT / SYSTEM.

4.3 The Security Deposit should be valid for a period of warranty period as we plan to extend the same as Performance Bank Guarantee.

4.4 **Bank Guarantee wherever mentioned in this document may be read as "Bank Guarantee from any Scheduled Bank" only.**

5. **Amalgamation/Acquisition etc.:**

In the event the Manufacturer/Supplier proposes for amalgamation, acquisition or sale of its business to any firm during the contract period, the BUYER/Successor of the Principal Company are liable for execution of the contract and also fulfillment of contractual obligations i.e. supply, installation, commissioning, warranty, maintenance/replacement of spares accessories etc. while submitting your bid, you may confirm this condition.

6. **Period of validity of bids**

6.1. The prices must be valid at least for a period of **90 days for indigenous supplies & 180 days for imports** from the date of opening of the Tender. No changes in prices will be acceptable in any condition after opening of tender till the validity of the offer or execution of the order whichever is later

6.2. IISER, TIRUPATI may ask for the BIDDER's consent to extend the period of validity. Such request and the response shall be made in writing only. The BIDDER is free not to accept such request without forfeiting the EMD. A

BIDDER agreeing to the request for extension will not be permitted to modify his bid.

- 6.3 Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

SUBMISSION OF BIDS

7. Deadline for submission of Bids

- 7.1 Bids must be received by IISER, TIRUPATI **before the time & date at address specified in the tender.** In the event of specified date for the submission of bids being declared as a holiday for IISER, TIRUPATI, the bid-closing deadline will stand extended to the next working day. No communication is required in such cases, In the event of holiday on due date
- 7.2 IISER, TIRUPATI may, extend this deadline for submission of bids, this will suitably be notified on the IISER, TIRUPATI website.

8. Late Bids

IISER, TIRUPATI will not be responsible:

- 8.1 For delayed / late quotations submitted / sent by post / courier etc.
- 8.2 For submission / delivery of quotations at wrong places other than the Purchase section of IISER, Tirupati.
- 8.3 Fax / E-mail / Telegraphic / Telex tenders will not be considered.
- 8.4 Any bid inadvertently received by IISER, TIRUPATI after the deadline i.e. due date & time for submission of bids, will not be accepted and returned unopened to the BIDDER.

AWARD OF CONTRACT

9. Award Criteria

- 9.1 IISER, TIRUPATI shall award the contract to the technically qualified eligible BIDDER whose bid has been determined as the lowest evaluated commercial bid.
- 9.2 If more than one BIDDER happens to quote the same lowest price, IISER, TIRUPATI reserves the right to award the contract to more than one BIDDER or any BIDDER.

10. IISER Tirupati Right to vary Quantities at the time of Award

- 10.1. The IISER Tirupati reserves the right at the time of Contract award to increase or decrease the quantity of goods and services originally specified in the tender

document without any change in unit price or other terms and conditions. Further, at the discretion of the IISER Tirupati, the quantities in the contract may be enhanced by 30% within the delivery period.

- 10.2. Firms which have already supplied similar equipment to IISER, PUNE and have not completed required installation/commissioning/after sales service/warranty replacements etc. such firms offers will not be considered for further evaluation and no enquiries thereafter will be entertained.

11. **Cargo Consolidation and Customs Clearance:**

IISER, TIRUPATI has appointed its own Freight Forwarder and Custom House Agent for all IISER, imports. Please note that all the consignments have to be routed through their associates only. The address and contact details will be provided at the time of placing the Purchase Order. While submitting your bid, you may confirm this condition.

12. **Fraud and Corruption**

The IISER Tirupati requires that bidders, suppliers, contractors and consultants, if any, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy,

- (a) The terms set forth below are defined as follows:

- (i) **“Corrupt practice”** means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
- (ii) **“Fraudulent practice”** means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
- (iii) **“Collusive practice”** means a scheme or arrangement between two or more bidders, designed to establish bid prices at artificial, noncompetitive levels; and
- (iv) **“Coercive practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;

- (b) The IISER Tirupati will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question;

13. **Interpretation of the clauses in the Tender Document / Contract Document**

In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, **Director, IISER, TIRUPATI’s interpretation of the clauses shall be final and binding on all parties.**

Note: All the bidders must provide the item H.S. Code for Custom Clearance and also indicate the duty percentage on the product

CHAPTER - 3 : CONDITIONS OF CONTRACT

1. Prices

Bid prices should be filled in the appropriate format as mentioned in Price Schedule.
ALL THE BIDDERS SHOULD QUOTE PRICES FOR EACH AND EVERY ITEM SEPERATELY ALONG WITH THE CONSOLIDATED PRICES APPLICABLE FOR BOTH INDIGENOUS AND IMPORTED ITEMS.

A. For Goods manufactured in India:

- (i) The price of goods quoted Ex-Works including taxes already paid.
- (ii) VAT and other taxes like excise duty etc. which will be payable on the goods if the contract is awarded.
 - (a) The charges for inland transportation, insurance and other local service required for delivering the goods at the desired destination as specified in the price schedule form.
 - (b) The installation, commissioning and training charges including any incidental services, if any.

B. For Goods manufactured abroad:

- (i) The price of the goods, quoted on FCA (Named place of delivery abroad) or FOB (Named port of shipment), as specified in the schedule form.
- (ii) The charges for insurance and transportation of the goods to the port/place of destination.
- (iii) The agency commission charges, if any.
- (iv) The installation, commissioning and training charges including any incidental services, if any.

C. We are exempted from payment of Excise Duty under notification number 10/97 dated 01.03.1997 and Customs Duty under notification No.51/96 dated 23.07.1996. Hence Excise Duty and Customs Duty, if any, should be shown separately. No other charges than those mentioned clearly in the quotation will be paid.

D. Sales Tax: We are not authorized to issue any Sales Tax Form 'C' & 'D'.

E. BIDDERS may also bid for High Sea sales.

2. Bank Charges

All Bank charges inside India, including opening of LC, to IISER, TIRUPATI Account and outside India to Beneficiary's Account only. In case the BIDDER seeks confirmation of LC such confirmation charges are to the Beneficiary's account. This may please be noted and confirmed.

3. Agency Commission & Services

3.1. The Indian Agency commission payable in Indian currency only after the receipt of consignment in good condition at our Stores and satisfactory installation and commissioning of the ordered equipment.

- 3.2. In case of foreign quote, the Principal supplier should clearly indicate the address of the Indian Agent and percentage (%) of Agency Commission and taxes if any payable to him. Such amounts will be paid in Indian Currency to the Indian Agent.
- 3.3. Details of services rendered by you as well as after-sales services offered by you are to be made clear in the tender.

7. **Performance Bank Guarantee**

The 10% Security Deposit which is mentioned above may be extended as Performance Bank Guarantee for a period of warranty period.

8. **Performance Benchmarks**

The technical evaluation committee needs to be provided with an evaluation system to carry out performance benchmarks.

9. **Pre-installation:**

The BIDDER has to state in detail the Electrical Power/UPS requirements, floor Space, head room, foundation needed and also to state whether Air-conditioned environment is needed to house the system and to run the tests. i.e. pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in IISER, Tirupati the BIDDER shall confirm that the pre-installation requirements are sufficient for installation of the equipment. In other words the BIDDER should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.

10. **INSTALLATION**

- 10.1 BIDDER shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty and thereafter.
- 10.2. Installation demonstration to be arranged by the supplier free of cost and the same is to be done within 15 days of the arrival of the equipment at site.
- 10.3. After successful installation what will be the minimum down time of equipment/instrument in case of breakdown. If the identified firm or person fails to put the system into working condition what is the further alternative course of action suggested by you to adhere to minimum down time.

11. **INSPECTION :**

- 11.1 The inspection of the system will be done by our technical expert /Scientist in the presence of firm's representative.

11.2 In case of receipt of the material in short supply or damaged condition the supplier will have to arrange the supplies/ replacement of goods free of cost pending the settlement of the insurance case wherever applicable on FOR at the IISER. Or CIF basis till satisfactory installation of the system.

11.3 The supplier **should arrange for physical inspection of the items directly or through their authorized representative within seven days of arrival of the consignment failing which they will be responsible for the losses.** After the shipment is effected, the supplier/its representative/Indian agents must remain in touch with the lab/instt. to ascertain the date of arrival of consignment.

12. Training

12.1 Wherever needed, Our Scientist/Technical persons should be trained by the supplier at the project site free of cost. In case the person is to be trained at supplier's site abroad or in India it should be mentioned in the quotation clearly. The supplier should bear all the expenses for such training including 'to & fro' fares and lodging & boarding charges.

13. Warranty / Support

13.1. The items covered by the schedule of requirement shall carry minimum **Three years of comprehensive warranty** from the date of acceptance of the equipment by IISER, TIRUPATI. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts.

13.2. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, octroi, local taxes if any should be borne by the beneficiary or his agent. A clear confirmation should be given for this item.

13.3. The warranty on the associated software should cover providing of upgraded version/s, if any, released during the warranty period free of cost.

13.4. The BIDDER shall assure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of 10 years from the date of supply of equipment on payment on approved price list basis.

13.5. The equipment must be supported by a Service Centre in India manned by the principal vendor's technical support engineers. The support through this Centre must be available 24 hours in a day, seven days a week and 365 days a year. Also it should be possible to contract the Principal's vendor support Centre on a toll free number/web/mail.

13.6. An undertaking from the manufacturer is required in this regard stating that they would facilitate the BIDDER on regular basis with technology / product updates & extend support for the warranty as well.

- 13.7. The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.
- 13.8. The principal vendor must have a local logistics support by maintaining a local spares depot in the country of deployment of the equipment. This is to ensure immediate delivery of spares parts from Principal Vendor of equipment to its channel partner/system integrator.
- 13.9. Details of onsite warranty, agency who shall maintain during warranty and undertake Annual Maintenance Contract/Comprehensive Service Maintenance Contract beyond warranty shall be given in the offer. In case of foreign quote, the Indian Agent who shall maintain during warranty and AMC beyond warranty shall be given in the Technical Offer.
- 13.10 **COMMENCEMENT OF WARRANTY PERIOD:** The warranty period of an item shall commence after receipt of the items in good working condition and from the date of its satisfactory installation/commissioning/demonstration at the project site in IISER,, Tirupati. The warranty period and validity of Performance Guarantee shall be extended for the period of delay in satisfactory installation and delay in warranty services.

14. **Reasonability of Prices:**

- 14.1. Please quote best minimum prices applicable for a premiere Educational and Research Institution,
- 14.2. The party must give details of identical or similar equipment, if any, supplied to any IITS/IISERS/ CSIR lab during last three years along with the final price paid and Performance certificate from them.

15. **Annual Maintenance Contract**

- 15.1. The party must mention in the quotation, the rate/amount of annual maintenance charges, if we opt for maintenance contract after expiry of the warranty period. This is mandatory to mention, wherever applicable.
- 15.2. No sub-contracting will be allowed for installation or maintaining system/ equipment / instrument during or after warranty period.

16. **Indemnity**

The vendor shall indemnify, protect and save IISER, TIRUPATI against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipments supplied by him.

17. **Freight & Insurance**

- 17.1. Imports: In case of imports the freight & insurance will be paid by IISER, TIRUPATI, as the consignments are shipped through the IISER, TIRUPATI nominated freight forwarder (applicable only cases of FCA/FOB shipments).
- 17.2. Indigenous : The equipments to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at IISER, TIRUPATI site in case of Rupee transaction.

18. **Payment**

- 18.1. For Indigenous items, 90% payment shall be made against delivery, installation, commissioning and on acceptance as per Purchase Order at site and balance 10% shall be made after receipt of performance Bank Guarantee for 10% of the total order value, to be valid for till warranty period from date of installation and acceptance. If no Bank Guarantee is given, the balance 10% will be paid after assessing, after sales service during warranty period i.e. payment after warranty period.
- 18.2. For imported items, 90% payment shall be made by a Irrevocable Letter of Credit established in favor of the supplier through the State Bank of India, Korlagunta Branch, Tirupati 517 501 (India) for the order value, excluding the Agency Commission due to the Indian Agents, against the presentation of original Shipping documents. Balance 10% will be released after completion of satisfactory installation, commissioning, demonstration of the whole system, after imparting training and upon receipt of Bank Guarantee for 10% of total Order value towards performance security to be valid for till warranty period from the date of installation. However Letter of Credit arrangement will be made for 100% order value.

The payment of local currency portion shall be payable in equivalent Indian Rupees, within 30 days after the receipt of the equipment in good condition and after satisfactory installation and commissioning and demonstration.

The Agency Commission to the Indian Agent will be paid in INR only after successful installation, commissioning and satisfactory demonstration and acceptance of the items ordered for by the end user.

19. **Penalty for delayed Services / LD**

- 19.1. As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise the IISER will forfeit EMD/SD and also LD clause will be applicable /enforced.
- 19.2. If the supplier fails to Supply, Install and Commission the system as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 1% of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.
- 19.3. IISER, TIRUPATI reserves the right to cancel the order in case the delay is more than 10 weeks. Penalties, if any, will be deducted from the Security Deposit.

20. **Jurisdiction**

The disputes, legal matters, court matters, if any, shall be subject to Tirupati Jurisdiction only.

21. **Force Majeure**

The Supplier shall not be liable for forfeiture of its performance bank guarantee, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the IISER Tirupati either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

If a Force Majeure situation arises, the Supplier shall promptly notify the IISER Tirupati in writing of such conditions and the cause thereof. Unless otherwise directed by the IISER Tirupati in writing, the Supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

22. **Dispute Settlement**

IISER Tirupati and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

If, after twenty-one (21) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the IISER Tirupati or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

The dispute settlement mechanism/arbitration proceedings shall be concluded as under:

- (a) In case of Dispute or difference arising between the IISER Tirupati and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings. The dispute shall be referred to the Director IISER Tirupati, if he is unable/unwilling to act, to the sole arbitration of some other person appointed by his willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.

- (b) In the case of a dispute between the Purchase and a Foreign supplier, the dispute shall be settled by arbitration in accordance with provision of sub-clause (a) above. But if this is not acceptable to the supplier then the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules.

The venue of the arbitration shall be the place from where the purchase order or contract is issued.

Assistant Registrar (Admin & Purchase)

23 November 2017

CHAPTER 4

SCHEDULE OF REQUIREMENTS, SPECIFICATIONS & ALLIED TECHNICAL DETAILS

Detailed Specifications for the Central HPC cluster

Sr. No	Parameters	Values or Notes
<u>Master Node: Quantity: 1</u>		
1	Processor	2 x Intel Xeon Gold 6148 (2.4GHz / 20 Cores) or better
2	Memory	Minimum 96 GB (12X 8 GB) DDR4 Reg. ECC 2666 MHz
3	Internal Storage	2 x 1TB, 7200 rpm Enterprise SATA, Hot Plug HDD's (configured in RAID 1)
4	NIC	Dual Gigabit Ethernet RJ45 ports or better
5	Management	IPMI 2.0 with LAN and KVM-over-LAN support
6	Exp. Slots	1x PCI-E 3.0 x16, 2x PCI-E 3.0 x8 (Low-profile slots)
7	Chassis	1U/2U rack mountable with mounting rails
8	Interconnect	1x Single-Port EDR/OPA with cables of appropriate length
9	DVD Writer	DVDRW drive
10	Power Supply & Cables	<ul style="list-style-type: none"> • Power cables should be compatible with the quoted rack. • Redundant and hot pluggable platinum power supply.
11	Warranty	3 years on-site comprehensive warranty
12	Peripherals	Rack mountable TFT with keyboard, mouse and KVM
<u>Compute Node(s): Quantity: 14</u>		
1	Processor	2 x Intel Xeon Gold 6148 (2.4GHz / 20 Cores) or better
2	Memory	Minimum 192 GB (12X 16 GB) DDR4 Reg. ECC 2666 MHz
3	HDDs	1 x 1TB, 7200 rpm Enterprise SATA, Hot Plug HDD
4	Management	IPMI 2.0 with LAN and KVM-over-LAN support
5	Interconnect	1x Single-Port EDR/OPA with cables of appropriate length
6	Exp. Slots	1x PCI-E 3.0 x16 (LP) slot
7	Chassis, Power supply	Dense form factor nodes occupying on an average of 0.5U per node to be proposed. If there are any blank slots in the chassis, this will not be considered as part of the 0.5U calculation. Similarly, if there are any External Power shelves in the solution powering the compute nodes, the space used by these Power Shelves shall not be used for the 0.5U calculation.
8	NIC	Dual Gigabit Ethernet or better
9	Warranty	3 years on-site comprehensive warranty

<u>PFS based storage solution</u>		
1	PFS	Parallel file system Lustre
2	Performance	Min. 4 GB/s write/read using IOR or IOZone
3	Usable capacity for OSS	Min. 150 TB usable RAID6 (Hardware or Software RAID). Preferred disk layout – 9D + 2P or 8D + 2P. NL SAS disks (12Gbps) can be used.
4	Usable capacity for MDS	Vendor should use min. two 600GB 15K RPM disks (or better). Disk count to be decided by the vendor based on the requirement for achieving the stated performance
5	Node requirement for MDS/OSS	The solution should be configured with 2 nodes. Node 1 to be configured for MDS and Node 2 for OSS. In case of any node failure, the services should start from the other surviving node, without any manual intervention.
6	MDS/OSS Node configuration	Each of the nodes should be configured with 2 x Intel Xeon E5-2690v4 (or better in terms of cores and frequency)/ 256GB/ necessary Disk controllers for the solution/ 100Gbps EDR or OPA (single port).
7	Operating System	CentOS. Vendors are free to offer RHEL/SLES incase CentOS is not supported by the appliance.
8	Spares	One hard disk to be kept as cold spare onsite for both Metadata and OSS.
9	Solution form factor	Should not exceed 12 U, including the Luster manager Server
10	Redundancy	Solution should be configured with No Single Point of Failure including Power Supplies and fans
11	Lustre manager server	Separate 1U Rack mount Server should be offered with min. 1 x Intel Xeon E5-2603v4 (6c @ 1.7GHz) / 16GB / 2 x 1 TB SATA disks / 4 x 1G / RPS
<u>Primary Interconnect: EDR Infiniband Switch /OPA Switch</u>		
<u>Secondary Interconnect: Gigabit Ethernet Switch</u>		
1	Infiniband Switch/OPA Switch	<ul style="list-style-type: none"> • EDR 100 Gbps minimum 36 ports/OPA. Backplane bandwidth must correspond to 100% non-blocking architecture. • The Infiniband/OPA switch should be manageable, rack mounted, with redundant power supply.
2	Gigabit Ethernet Switch	At least 24 ports managed Gigabit Ethernet Switch with required number of cables to connect all nodes. All nodes need to be connected by Gigabit network for remote management hardware as well as for system network. Both the networks should be completely different.
<u>Miscellaneous</u>		
1	Rack	42 U rack with required number of PDU's and accessories

2	OS & Cluster Management Software	<p>Open Source Linux Cent OS & Cluster Management software. The software should be able to do the following:</p> <ul style="list-style-type: none"> • Add/Remove nodes from operation. • Allow online replacement of failed nodes. • Perform OS installation of all nodes from head node. • Monitor node hardware stats. • Monitor node performance stats. • All of the above to be performed remotely, using both GUI and CLI interfaces. • Jobs and queue handling software should be installed and should be demonstrated to the client. (Shall be provided by IISER Tirupati)
3	Benchmarking and Technical qualification criteria	<p>IISER Tirupati reserves the call for doing benchmarking. Please see the technical qualification for the details of benchmark. Additional details regarding benchmark can be found below.</p>
4	Other conditions	<ul style="list-style-type: none"> • The server and all its components should be verified and recommended by the motherboard manufacturer by means of compatibility list. • No on-site assembling / integration is allowed after delivery of the hardware, the nodes/equipment must be tested and factory integrated. Only rack-mounting, installation of OS and applications can be done at site. • The bidder should ensure that all hardware (H/W) components offered in the Bill of Material should be covered under OEM/bidder support enabling program so as to get back end support / benefits from Principles / OEM/ bidder in terms of Free Software Update Support / Maintenance releases, if any, to a particular Software Version. • During the warranty period, the complaints should be addressed within 24 hours of receiving the same. In case defective parts are needed to be replaced during the warranty period (3 years) it should be done within a period of two working days. If the bidder fails to do so in either of the above two cases, a penalty @ Rs. 5000/- per day delay shall be invoked. The corresponding amount shall be deducted from the PBG. • Full technical details of the proposed compute hardware, interconnects and storage must be provided. All model numbers must be provided. • Full details of the rack, such as dimensions, cabling, PDUs, including model numbers must be provided. • Full technical details of the proposed software

		<p>including OS, clustering suite, cluster monitoring software must be provided.</p> <ul style="list-style-type: none"> • The bidder should also give power, UPS and cooling requirements for the cluster solution along with the proposal. The power and cooling requirements should be calculated at peak usage assuming that all cores in every node are being used. Please provide separate power requirement for cluster and storage. • Bidders to include all necessary hardware/software and accessories of the solution to render the solution operational under optimum guaranteed parameters even if any item is not included in the general or detailed specifications but found required for the solution, and the same should be to the satisfaction of the customer. • The item wise rates of each item are to be quoted. IISER Tirupati reserves the right to vary the quantity at the time of Purchase Order placement. • The bidder should provide schematic diagram of the entire solution. • Any other item needed to complete the offered solution should be provided and indicated separately.
5	Installation, Warranty and Training	<ol style="list-style-type: none"> 1. The vendor shall install and configure all required hardware and open source software suites, including but not limited to racking and stacking, cluster networking, configuring all nodes, installation of open source compilers and applications, configuration of environment variables and license utility configuration. 2. The vendor to ensure that the hardware and software components are compatible with each other, and provide necessary cables/wires and any other accessories necessary for connecting the supplied components. Bidder must install the complete system interconnecting all the components above. 3. One day admin and user training on the cluster usage and administration must be provided. 4. All standard libraries like BLAS, LAPACK, SCALAPACK, ATLAS, fftw, etc. should be installed along with some application software like open source scientific application codes as well as Intel cluster studio. 5. All standard Open Source compilers like gfortran, gcc, openmpi etc. should be installed

6	Intel Cluster Studio Single user academic license for a period of 3 years	Single User License. To be supplied and installed onto the cluster
7	Compliance statement	Compliance statement needs to be provided by vendors clearly specifying COMPLY/NON COMPLY with remarks of all of the points mentioned above.
8	Acceptance criteria	After installation is complete, the bidder will carry out acceptance tests. This consists of a 72-hour burn test and running each of the benchmarks (using the same software suite they have used while running the benchmarks for the technical bid) at IISER Tirupati to demonstrate the performance as claimed in the technical bid.

Details regarding the benchmarks:

- Please unzip and untar the file and follow the INSTRUCTION carefully.
- GROMACS 4.5.5 version should be installed in double precision using Intel compilers and intel mpi.
- Benchmarking should be purely on CPU cores and should be done on the same configurations and specs as asked in this tender and only on 1, 2 and 4 nodes.
- Results should be submitted along with technical bid.
- The table of performance in terms of ns/day provided in the instruction will be used as one of the criteria for technical evaluation.
- Log files of benchmark runs in electronic format must be provided. No hard copies will be accepted.
- All the output and run input files along with the script should be provided.
- A copy of the runtime environment should be provided.
- Details of GROMACS installation used to run the program should be provided.
- The script used to run the job should be provided.
- An undertaking that guarantees the reproduction of the benchmark data on the proposed cluster in our premises after installation must be provided. In case of failing to do so (with maximum 7% deviation from the results submitted in the bid), IISER Tirupati reserves the right to deduct 10% from the payment.
- Complete hardware and software environment details of the machine on which the benchmarks were carried out, must be provided.
- All cores present in each node must be used in running the benchmarked jobs.
- If the benchmarking was carried out on a system containing Y cores per node, the proposed solution too must contain the same number of cores per node.
- The benchmarks should be run with turbo mode off. Vendors can employ architecture-specific code enhancements (for instances compiler flags) during benchmarking. No fast math options are allowed. However, these must be transparently mentioned in their proposals and relevant electronic files (makefiles, etc.) used in the benchmarks must be shared.

- The bidder/OEM can run the benchmark. The bidder/OEM should provide an undertaking certifying that they have done the benchmark themselves.

Technical Qualifying Criteria:

- The bidder should carry out below listed bench mark programs:
 1. HPL benchmark (see <http://www.netlib.org/benchmark/hpl/>)
 2. GROMACS (www.gromacs.org) benchmark. For this, the benchmark files in tar, zipped form may be obtained from the following website:
<http://www.iisertirupati.ac.in/data1/BenchMark.tar.gz>. Please unzip and untar the file and follow the INSTRUCTION carefully.

- For the HPL benchmark, we will look into the ratio of the sustained vs. theoretical peak.
- For the GROMACS benchmarks, the scalability will be measured in terms of speed up achieved (S) and for efficiency; we will consider the wall time required for completion of the jobs with the maximum number of nodes.
- Speed up achieved (S) will be defined using the following formula:

$$S = (\text{Wall time required for completion of job with 1 nodes}) / (\text{Wall time required for completion of job with } x \text{ nodes}), x \geq 2$$

The vendors must give a plot of S vs. x. They should also plot S for the case of ideal scaling. For deciding the best scaling we will consider the value of S for the largest value of x.

- A two-step criterion will be used for technically qualifying the vendors.
 - (a) A minimum of 75% is acceptable for the HPL benchmarks.
 - (b) If (a) is satisfied, the benchmarks for GROMACS will be considered. Vendors will be considered further for benchmark scalability and efficiency. Only those vendors whose benchmark results are within 20% of the best one will be qualified for the commercial bid.

CHAPTER-5 PRICE SCHEDULE

The Bill of materials must be included in the technical offer as well as commercial offer. **However the Technical offer should not contain any price information.**

ALL THE BIDDERS SHOULD QUOTE THEIR OFFER IN FOLLOWING FORMAT FOR UNIFORMITY

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM ABROAD

Name of the Bidder _____

Tender No. _____

1	2	3	4	5	6		7		8		9
SI No	Item Description	Country of origin	Unit	Qty	Unit Price		Total price (5x6)		Charges for Insurance & transportation to port/ place of destination		Total Price (7+8)
					FOB (named port of shipment)	FCA (named place of delivery)	FOB (named port of shipment)	FCA (named place of delivery)	Ocean	Air	CIF Chennai

1	2	3	4	5	6	7	8	9

Total Bid price in foreign Currency _____ in words.

Signature of Bidder :

Name :

Business Address :

Note:

- (a) Indian agents name & address _____
- (b) Installation, commissioning & training charges, if any _____
- (c) Cost of Spares _____
- (d) The Indian agent's commission shall paid in Indian Rupees only based on the Exchange Rate prevailing on the date of negotiation of documents.
- (e) The cost of optional items shall be indicated separately.

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM INDIA

Name of the Bidder _____

Tender No. _____

1	2	3	4	5	6	7	8	9	10	11
Sl. No.	Item Description	Country of Origin	Unit	Qty	Ex-Works. Ex-Warehouse, Ex-show room off the shelf price (inclusive of all taxes already paid)	Total price Ex-Works. Ex-Warehouse, Ex-show room off the shelf price (inclusive of all taxes already paid) 5x6	VAT & other taxes like excise duty payable, if contract is awarded	Packing & forwarding up to station of dispatch, if any	Charges of inland transportation, insurance up to Lab./Instt.	Installation, Commissioning & training charges, If any.

1	2	3	4	5	6	7	8	9	10	11

Total Bid price in foreign Currency _____ in words.

Signature of Bidder :

Name :

Note:

The cost of optional items shall be indicated separately.

(a) Cost of spares _____

FORMAT/QUESTIONNAIR FOR COMPLIANCE OF TERMS AND CONDITIONS

Tender No.: _____

Due Date _____

NOTE:

6. **Quotation will not be considered without submission of this format.**
7. **If a particular question is not at all applicable please write NA in compliance part in Col. No. 4 below.**
8. **Kindly see the relevant terms & conditions of the tender document in each question before replying to the questions mentioned in Col. 2 below).**

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
1	2	3	4
1	a.) Whether quotation is direct from Principal supplier/manufacturer or their own office in India (Please specify)		
	b) Whether quotation is being submitted by Indian Agent/authorized distributor/ dealer		
	c) Whether the agent is registered with DGS&D/NSIC		
2	a) Whether the Techno-commercial and price bids (for two bid tender system only) have been kept in separate envelopes duly marked with "Techno-commercial Bid" and "Price Bids" respectively.		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
	b) Whether the tender No., Due date & Opening dates have been written outside all the envelopes.		
3	Whether techno-commercial Bid contains EMD, technical literature/leaflets, detailed specifications & commercial terms & conditions etc. as applicable.		
4	a) Whether the required EMD is being submitted with the quotation		
	b) Please specify the form of EMD whether in the form of DD/bank guarantee or TDR/FDR (Please mention No., date & amount of EMD documents.) or Bid Security Format at Annexure –'C'		
	c) Pre-receipted bill for refund of EMD is enclosed (for bank drafts only)		
5	a. If the prices are on Ex-Works basis or FOB (names port of shipment) or FCA (named place of delivery abroad)		
	b. Whether specific amounts or percentage of expenses like packing, forwarding, handling, freight, insurance, documentation etc. have been mentioned in quotation separately in clear terms.		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
6	a) Whether prevailing rates of sales tax, excise duty & other govt. levies (for indigenous supplies) have been given in quotation		
7	Have you mentioned the validity period of the quotation as per our requirements		
8	a) Whether the Price reasonability Certificate is submitted with quotation		
	b) Whether copies of last two supply orders of the same item from other customers have been attached with the quotation		
9	Whether rates/amount of AMC after the warranty period is over has been mentioned		
10	Have you gone through the specification Clause & complied with the same		
11	Whether the Make/Brand, Model number and name of manufacturer has been mentioned in the quotation and Printed technical literature/ leaflets of quoted items have been submitted		
12	Whether compliance statement of specifications has been attached with the quotation.		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No')	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
13	a) Whether the delivery period for supply of the items has been mentioned		
	b) Whether mode of delivery & tentative size & weight of the consignment has also been indicated		
14	Do you agree to the submission of Performance Bank Guarantee and have you mentioned in your quotation about this.		
15	a) Do you agree with the payment terms for indigenous supplies?		No deviation permitted
	b) Do you agree with the payment terms for imports supplies?		
16	Do you agree about the date of commencement of warranty period & its extension is necessary.		
17	a) Who will install/commission and demonstrate the equipment at IISER Tirupati, FREE OF COST.		
	b) Will you be able to do it within a month		
18	Have you mentioned the guarantee/warranty period in your quotation and do you agree with guarantee clause?		
19	Spare parts		
20	After Sales service		

SNo	Terms & condition of Tender document	Whether acceptable (say 'Yes' or 'No' (preferably use different colour ink for 'No'))	Deviation from tender terms, if any, with reasons for noncompliance or alternative condition quoted for
21	a) Do you agree that on receipt of material in damaged condition or short supply you will replace the same on CIF basis, free of cost pending the settlement of the insurance claim?		
	b) Do you agree with the clause of physical inspection?		
22	Whether list of specific user's for the same item & model as quoted along-with performance certificates from the users is submitted with offer		
23	Whether you agree to the penalty clause for late delivery & installation?		
24	Whether training to our scientist/technical person will be given free of cost . If yes, have you specified in quotation whether it will be in our lab? Or at supplier's site in India or abroad.		
25	a) Whether all the pages have been page numbered?		
	b) Whether quotation has been signed and designation & name of signatory mentioned.		

FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS

S. N.	Name of specifications/ part / Accessories of tender enquiry	Specifications of quoted Model/ Item	Compliance Whether “YES” Or “NO”	Deviation, if any, to be indicated in unambiguous terms	Whether the compliance / deviation is clearly mentioned in technical leaflet/ literature
1	2	3	4	5	6

BID SECURITY FORM

Whereas (Hereinafter called “the tenderer”) has submitted their offer dated for the supply of (Hereinafter called “the tender”) against the purchaser’s tender enquiry No. _____

KNOW ALL MEN by these presents that WE (Name of bank) of (Name of country), having our registered office at (Address of bank) (Hereinafter called the “Bank”), are bound unto ... (Name of purchaser) (Hereinafter called “the purchaser”) in the sum of for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this day of..... 20.....

THE CONDITIONS OF THESE OBLIGATIONS ARE:

- 1. If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- 2. If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity.
- 3. If the tenderer fails to furnish the Performance Security for the due Performance of the contract.
- 4. Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchase will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

The guarantee shall remain in force up to and including forty five (45) days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

.....
(Signature of the authorized officer of the Bank)

Name and Designation of the Officer
Seal, Name & Address of the Bank and address
of the branch

MANUFACTURER’S AUTHORIZATION FORM

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that re binding on the Manufacturer]

Date: *[Insert date (as Day, month and year) of Bid submission]*

Tender No.: *[Insert number from Invitation for Bids]*

To: *[Insert complete name and address of Purchaser]*

WHEREAS

We *[insert completer name of Manufacturer]*, who are official manufacturers of *[Insert type of goods manufactured]* having factories at *[insert full address of Manufacturer’s factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following goods, manufactured by us *[insert name and or brief description of the goods]*, and to subsequently negotiate and sign the contract.

We hereby extend our full guarantee and warranty in accordance with the Terms and Conditions of Contract with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____ *[insert date of signing]*

PREVIOUS SUPPLY ORDERS FORMAT

Name of the Firm _____

Order placed by <i>{Full address of Purchaser}</i>	Order No. and Date	Description and quantity of ordered equipment	Value of order	Date of completion of delivery as per contract	Date of actual completion of delivery	Remarks indicating reasons for late delivery, if any and justification for price difference of their supply order & those quoted to us.	Has the equipment been installed satisfactorily? <i>(Attach a certificate from the Purchaser/ Consigner)</i>	Contact Person along with Telephone no., Fax no. and e-mail address.

Signature and Seal of the Manufacturer/ bidder

Place:

Date:

BIDDER INFORMATION FORM

Company Name : _____
Registration Number : _____
Registered Address : _____

Name of Partners /Director : _____

City : _____
Postal Code : _____

Company's Establishment Year : _____

Company's Nature of Business : _____

Company's Legal Status (tick on appropriate option)

- 1) Limited Company
- 2) Undertaking
- 3) Joint Venture
- 4) Partnership
- 5) Others

Company Category

- 1) Micro Unit as per MSME
- 2) Small Unit as per MSME
- 3) Medium Unit as per MSME
- 4) Ancillary Unit
- 5) SSI
- 6) Others

CONTACT DETAILS

Contact Name : _____

Date of Birth : _____

Email Id : _____

Designation : _____

Phone No : (_____) _____

Mobile No : _____

BANK DETAILS

Name of Beneficiary : _____

A/c. No. CC/CD/SB/OD: _____

Name of Bank : _____

IFSC NO. (Bank) : _____

Branch Address and Branch Code: _____

Other Details

Vendor's PAN No. _____

Vendor's CST No/LST No/WCT No/TIN No: _____

Checklist for BIDDERS

BIDDERS to indicate whether the following are enclosed / mentioned by striking out the non-relevant option and write concern page no.

S. No	Particulars	Documents Attached	Page No
1	Two separate bids duly filled in and signed in sealed envelopes (i) Technical (ii) Commercial	(Yes / No)	
2	The Demand Draft/BG for Rs 196,000/- towards Earnest Money Deposit	(Yes / No)	
3	Format/Questionnaire For Compliance Of Terms And Conditions Annexure – A	(Yes / No)	
4	Format of compliance statement of specifications - Annexure – B	(Yes / No)	
5	Bid Security Form - Annexure – C (as applicable)	(Yes / No)	
6	Manufacturer's Authorization Form - Annexure – D	(Yes / No)	
7	Previous Supply Orders - Annexure – E	(Yes / No)	
8	Bidder Information form - Annexure – F	(Yes / No)	
9	A copy of the Un-priced Commercial bid	(Yes / No)	
10	List of deliverables as per Chapter- 4	(Yes / No)	
11	Solvency certificate for Rs 40.00 lakhs (not older than twelve months) issued by scheduled/nationalized bank with which BIDDER holds the current account	(Yes / No)	
12	Undertaking that the successful BIDDER agrees to give a 10 % security deposit and Performance Bank Guarantee	(Yes / No)	
13	Self Attested copy of Sales Tax Registration certificate (CST/VAT etc) (as applicable)	(Yes / No)	
14	Delivery Period, Warranty and Payment terms are clearly mentioned	(Yes / No)	
15	Acceptance of IISER, Tirupati Cargo Agent, i.e., Balmer Lawrie Chennai	(Yes / No)	
16	Bank charges agreed for outside India	(Yes / No)	
17	LD clause agreeable.	(Yes / No)	
18	Supply of spares for 7 years	(Yes / No)	
19	Acceptance of warranty period and Free replacements during warranty period	(Yes / No)	
20	Amalgamation/Acquisition: Successor agreeable to fulfill the contractual obligations	(Yes / No)	
21	Tender Terms & Conditions Acceptance (last page) signed with official seal is attached	(Yes / No)	

IMPORTANT NOTICE

TENDERERS RESPONDING TO THIS ENQUIRY SHALL BE DEEMED TO BE AGREEABLE TO THE TERMS AND CONDITIONS HEREIN CONTAINED. THESE TERMS AND CONDITIONS SHALL BE BINDING ON THE SUCCESSFUL TENDERER. CONDITIONAL TENDERS ARE LIABLE TO BE REJECTED. IISER TIRUPATI WILL PROCESS THE TENDER AS PER IISER TIRUPATI STANDARD PROCEDURES. THE DIRECTOR OF THE INSTITUTE RESERVES THE RIGHT TO REJECT ANY OR ALL OR PART OF TENDER WITHOUT ASSIGNING ANY REASON AND SHALL ALSO NOT BE BOUND TO ACCEPT THE LOWEST TENDER. IISER TIRUPATI WOULD NOT BE UNDER ANY OBLIGATION TO GIVE ANY CLARIFICATIONS TO THE AGENCIES WHOSE BIDS ARE REJECTED.

I agree to all terms and conditions mentioned in the tender document of the Institute

Signature of the Tenderer