

TENDER
FOR
UPGRADATION OF NODE FOR HPC CLUSTER AT
INDIAN INSTITUTE OF TECHNOLOGY MANDI



Tender No.: IITMANDI/Admin/PUR-157/2014-15/7545-46

Tender date: 13th February, 2015

Last Date of submission: 5th March, 2015

Indian Institute of Technology Mandi
Mandi – 175001 (H.P)

Transit Campus: Mandav Hotel, 2nd Floor (Near Bus Stand), Mandi – 175001 (H.P)

Tel: 01905-237929

Email: prasanth@iitmandi.ac.in

Indian Institute of Technology (IIT) Mandi, Mandi invites tender for supply, installation and commissioning, of **New Nodes in the existing high performance computing system (HPC)**, as per specifications given in the annexure attached to the Tender form. All offers should be made in English and should be written in both figures and words. Tender forms can be downloaded from the website (<http://iitmandi.ac.in/administration/tenderseoi.html>) of the Institute.

The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Non-compliance with specifications/instructions in this document may disqualify the bidders from the tender exercise.

IIT Mandi reserves the right to select certain item(s) (in single or multiple units) and reject the others or all mentioned in the Schedule and to reject any quotation wholly or partly without assigning any reason.

Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

Terms and Conditions:

1. The technical and financial bids should be quoted separately and put in different sealed envelopes marked "**Technical bid**" or "**Financial bid**" as applicable. These separate bids envelopes be put in an outer envelope which should also be sealed.

2. The technical and financial bids should be submitted in duplicate. The financial bid should include the cost of nodes, its accessories, installation etc as specified in the annexure I

3. Each individual sealed envelope as well as the outer envelope should be marked with the following reference on the top left hand corner: "**IITMandi/Admin/PUR-157/2014-15/7545-46/Item Name/ dated 13.02.2015** "

4. The printed literature and catalogue/brochure giving full technical details along with compliance statement for the tender specifications of machine should be included with the technical bid to verify the specifications quoted in the tender. The bidders should submit copies of suitable documents in support of their reputation, credentials and past performance as per annexure I

5. The rates should be quoted in figures (typed or printed) and cutting should be avoided. The final amount should be in figures as well as in words. If there are cuttings, they should be duly initialed, failing which the bids are liable to be rejected.

6. Any bids received after **1:00 P.M. on 5th March, 2015** shall not be considered

7. The Technical Bids will be opened on **5th March, 2015 at 04:00 P.M.** The date & time for opening of Financial Bids will be informed later to the technically qualified bidders. **The bidders or their authorized representative may also be present during the opening of the Technical Bid, if they desire so, at their own expenses.**

8. All tender documents have to be sent through courier, speed post, registered post or in person only on or before the last day. The postal address is:

**"Assistant Registrar, Stores and Purchase"
Indian Institute of Technology
Director's Secretariat, Kamand,
Mandi – 175005 (H.P), India"**

While sending rates, the firm shall give an undertaking to the effect that the terms/conditions mentioned in the enquiry letter/Tender Notice against which the

rates are being given are acceptable to the firm. In case the firms do not give this undertaking, their rates will not be considered.

10. The quotations should be given for the items in the same order as in the enquiry letter.

11. If the supplier/firm is manufacturer/authorized dealer/sole distributor of any item, the certificate to this effect should be attached.

The quantity shown against each item is approximate and may vary as per demand of the Institute at the time of placing order.

13. In the event of any dispute or difference(s) between the vendee Institute (IIT Mandi) and the vendor(s) arising out of non-supply of material or supplies not found according to specifications or any other cause whatsoever relating to the supply or purchase order before or after the supply has been executed, shall be referred to "The Director, IIT Mandi", Mandi who may decide the matter himself or may appoint arbitrator(s) under the arbitration and conciliation Act 1996. The decision of the arbitrator shall be final and binding on both the parties.

14. The place of arbitration and the language to be used in arbitral proceedings shall be decided by the arbitrator.

15. All disputes shall be subject to Mandi Jurisdiction only.

16. All tenders in which any of the prescribed conditions is not fulfilled or any condition is put forth by the Bidder shall be summarily rejected.

Note: Price bids of only those bidders will be opened whose technical bids are found suitable by the committee appointed for the purpose. Date and time of opening of price bids will be decided after technical bids have been evaluated by the committee. Information in this regard will be posted on Institute's web site / Notice board. No separate information shall be given to individual bidders. In exceptional situation, an authorized committee may negotiate price with the qualified bidder quoting the lowest price before awarding the contract

17. Clarifications:

In case the bidder requires any clarification regarding the tender documents, they are advised to send their queries through email (Dr. Prasanth Jose email: prasanth@iitmandi.ac.in) & Dr. Tulika Srivastava email: tulika@iitmandi.ac.in by **2nd March 2015**.

18. System Variations:

The proposed system is subject to change depending on IIT Mandi's priority vis-à-vis financial constraints, if any.

19. Submission of Proposals:

The bidder shall go through the entire document and must comply with all the terms and conditions. A Compliance statement in the form of "Complied" or "Not Complied" shall be given against each item and specification of the tender document (Annexure - I). The compliance statements should be supported by authentic documentation. Failure to comply with this requirement may result in the bid being rejected. The bid should be printed and there should not have any cuttings / corrections at any page of it. Failure to comply with this requirement may result in the bid being rejected

20. Tender Cost:

A Demand draft of **Rs. 1,000/- (Rupees One Thousand only)** towards non-refundable **tender fee, for each item being quoted, drawn in favour of “The Registrar, IIT Mandi”** payable at Mandi should accompany the Technical bid documents. In the absence of tender cost, the tender will not be accepted.

21. Earnest Money Deposit (EMD):

A refundable amount of Rs. **50,000/-** as earnest money deposit (EMD) in the shape of DD from a scheduled bank in India (**valid for a minimum period of 3 months from the date of submission of tender**) should accompany the bid documents. The DD drawn in favour of “The Registrar, IIT Mandi” payable at Mandi should accompany the bid documents. The EMD should be kept in a separate sealed envelope, should be marked clearly and put in the outer envelope that contains the technical and financial bid envelopes. The bidders should enclose a pre-receipted bill for the EMD to enable us to return the EMD of unsuccessful bidders. Failure to deposit **Earnest Money in each case** will lead to rejection of tender. In the event of the awardee bidder backing out, EMD of that bidder will be forfeited.

22. Pre – Qualification Criteria:

- a. Bidders should be the manufacturer / authorized dealer. Original letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed.
- b. Original of an undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well.

23. Prices & Payment Terms:

- The bidders are requested to quote on F.O.R. Destination basis by road inclusive of all Packing, Forwarding, Freight charges, Transit Insurance and any other charges as applicable, with 3 years Comprehensive Warranty.
- IIT Mandi is registered with DSIR, Govt. of India and is, therefore, is exempted from excise/custom duties as per limits and terms of Govt. Of India. Exemption certificate for the same shall be issued by IIT Mandi, as and when required/requested for.
- Bidders must quote the comprehensive price in the following format explicitly.
 - ❖ Base unit Price
 - ❖ Excise Duty/ Custom Duty
 - ❖ Sales Tax/ VAT
 - ❖ Entry Tax
 - ❖ Octroi
 - ❖ Other Levies/ Taxes
 - ❖ **Total price inclusive of all taxes and duties FOR, IIT Mandi, Mandi in INR.**
- The payment will be made **through e- payment system** on receipt of material with regard to quality and quantity and on submission of pre-receipted bill by the firm.

24. Validity:

The bid should be valid for acceptance up to a period of 180 Days. The Bidders should be ready to extend the validity, if required.

25. Delivery:

The Machine should be delivered and installed within the period as specified in the purchase order and be ready for use within 12 weeks of the issue of purchase order unless otherwise prescribed. If the bidder fails to deliver and place any or all the

Equipment or perform the service by the specified date, penalty at the rate of 1% per week of the total order value subject to the maximum of 10% of total order value will be deducted.

26.Warranty Declaration:

Bidders must give the comprehensive onsite warranty for a minimum of 3 years as required from the date of successful installation of Machine against any manufacturing defects and also give the warranty declaration that “everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be complete enough for installation of the Linux operating system, as specified in the tender document.”

Any deviation in the material, and the specifications from the accepted terms may liable to be rejected and the bidders need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at the their own cost.

Performance Bank Guarantee: A performance bank guarantee from a scheduled bank in India for an amount equal to 10% of the price for duration of two months beyond the expiry of warranty period will be taken from the supplier or Indian agent

Since IIT Mandi is presently operating in the transit campus, in the case the machine/equipment is bulky as well as costly, the supplier has to take the responsibility to shift the machine to new campus when laboratory needs to be shifted to the new campus.

27.Service:

The successful bidder OEM/authorized partner of the OEM should provide an on-site service at IIT Mandi within 2 working days after the reporting of issues with the HPC system to the bidder.

28.Technical Support:

Details about the technical support of the machine after the warranty period have to be mentioned. AMC should be quoted separately.

29.Terms of Payment:

Payment will generally be made only after delivery and satisfactory installation, testing, commissioning etc. This must be specified in the tender/quotation.

- In case of imported supplies, payment (excluding Indian agency commission, if any) will be made through Letter of Credit.

30.Tender expenses and documents:

All costs incurred by the bidder in the preparation of the tender shall be at the entire expense of the bidder.

31.Tender Evaluation Criteria:

First the Technical Bids will be opened. After evaluation of the technical bid, the financial bid for only those offers which have qualified in the evaluation of technical bid will be opened.

32. Return of EMD:

- The earnest money of the successful bidder will be returned to them without any interest within 30 days working days after completing the successful contract.
- The earnest money of unsuccessful bidders will be returned to them without any interest within 30 days working days after awarding the contract to successful bidder.

33. Manual and documentation:

All the manuals necessary for operating and servicing the equipment (including details of electronic circuits) will have to be provided along with the instrument.

Sd/-
Assistant Registrar
(Stores & Purchase)

BID PARTICULARS

1. Name of the Supplier :

2. Address of the Supplier :

3. Availability of demonstration of machine: Yes / No

4. Tender cost enclosed: : Yes/No if yes

D.D. No. _____ Bank _____ Amount _____

5. EMD enclosed : Yes / No if Yes

D.D. No. _____ Bank _____

6. Name and address of the Officer/contact person to whom all references shall be made regarding this tender inquiry.

Name :

Address :

Telephone No. :

Fax No. :

Mobile No. :

e-Mail :

Web :

Annexure – 1

NIT Ref No. **IITMandi/Admin/PUR-157/2014-15/New Nodes for HPC Cluster**

Technical Specification Of The Computing Nodes

Items

1) Computing Node of type

Processor: Xeon E5-2630v3 20M Cache, 2.40 GHz (2 processors)
Memory: 64GB DDR4 1866 MHz
Harddrive: 2TB, SATA- 7200 rpm
two Gigabit ethernet ports on board

2) Computing Node of type

Processor: Xeon E5-2630v3 20M Cache, 2.40 GHz (2 processors)
Memory: 128GB DDR4 1866 MHz
Harddrive: 2TB, SATA- 7200 rpm
two Gigabit ethernet ports on board

3) Computing Node of type

Processor: Xeon E5-2620v2 15M Cache, 2.1 GHz (2 processors),
Memory: 32GB DDR3 1600 MHz
Harddrive: 2TB, SATA- 7200 rpm
two Gigabit ethernet ports on board

4) Data server of type

Processor: Xeon E5-2630v3 20M Cache, 2.40 GHz (1 processor)
Memory : 64GB DDR4 1866 MHz
Harddrive: 12 x 4TB SATA 7.2K RPM Enterprise HDD (MAX 12 HDD) (48TB RAW)
RAID : SAS 6Gbps RAID controller with 512MB cache, Supports
Hardware RAID 0, 1, 10, 5 & 6 four Gigabit ethernet ports on board
Redundant & hot-plug power supplies

General specification of nodes: Quotes for items 1-4 should include cost for all the accessories such as power supply chassis etc that is required to run the operating system, the configuration of the node must include possibility that single/dual port 10Gigabit interface may be integrated on these nodes. The quotes for items 1-4 should also include cost of accessories to mount node on 19" 42U rack with sliding rails. The nodes must be compatible with Linux OS, and should be in state of ready to load OS or with preinstalled Ubuntu 12.04LTS OS.

Expected number of purchase of nodes (item 1,2 and 3): 10 or more depending on funds and prices

5) 10Gigabit interface that can be integrated to nodes mentioned in items 1 to 4 and two meter cables to connect interface to switch given in item 6

6) 48 port 10Gigabit switch (with accessories to mount it on 19" 42U rack - must be compatible with item 5)

7) 24 port Gigabit switch

8) 1m cat6 Ethernet connecting cable

9) 19" 42U server rack (nodes are expected to be mounted on this rack)

The Bidder should quote with hardware integration charges included and per 1 unit of all the items listed in items 1 to 9.

Bidder is requested to quote for all the items. Institute reserves right to omit any item from final purchase order. Lowest bidder will be decided based on the total cost of the order for the configuration chosen by the Institute.

Compliance statement for the tender specifications

INDIAN INSTITUTE OF TECHNOLOGY MANDI HIMACHAL PRADESH-175001

NIT Ref. No.:- **IITMANDI/Admin/PUR-157/2014-15/ New Nodes for HPC Cluster**

Instructions

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column

S. NO	Check list of documents/ Undertakings ?	YES/NO	Remarks (Give explanation if answer is No)
1	Is Tender fees attached?		
2	Is EMD attached? (if applicable)		
3	Is the bidder original equipment manufacturer (OEM)/authorised dealer?		
4	If authorised dealer, recent dated certificate to this effect from OEM, attached or not?		
5	Undertaking from OEM regarding technical support & extended warranty period		
6	Validity of 180 days or not?		
7	Undertaking from bidder regarding acceptance of tender terms & conditions		
8	Whether list of reputed users (along with telephone numbers of contact persons) for the past three years specific to the instrument attached.		
9	Whether special educational discount for Indian Institute of Technology (IIT) Mandi (H.P) given.		
10	Whether training of operator and research students without any charges offered.		
11	Does the instrument complies with all the specifications as per annexure 1 to 9. Attach a separate sheet showing compliance with the specifications and explanations thereto if the equipments varies from the requested specifications.		
12	Whether free Installation, Commissioning and Application Training offered.		
13	Whether comprehensive onsite extended warranty offered.		
14	Whether Annual maintenance after expiry of comprehensive onsite warranty quoted separately as optional.		