



राष्ट्रीय उन्नत विनिर्माण प्रौद्योगिकी संस्थान  
(पूर्व नेशनल इंस्टीट्यूट ऑफ फाउंड्री एंड फोर्ज टेक्नोलॉजी)  
हटिया, राँची - 834 003 (झारखण्ड)

**National Institute of Advanced Manufacturing Technology**  
(Formerly National Institute of Foundry and Forge Technology)  
Hatia, Ranchi – 834 003 (Jharkhand)

सं No. – NIAMT/S&P/128/2025-26

दिनांक Date - 27 / 2 /2026

Limited Tender Enquiry

To,

LAST DATE FOR RECEIPT OF BID  
ON 23/3/26 BY 3:00 PM

OPENING OF BID  
ON 23/3/26 AT 3:30 PM

Sir/Madam,

We intend to purchase the commodities specified below and invite quotations in accordance with the terms and conditions mentioned overleaf. If you are interested, kindly send your offer by Speed/Registered Post/by courier with price and complete terms on or before date mentioned above.

Item No.	Description of Item	Qty.	EMD	Performance Security
1.	Digital torsion testing Machine (Specification enclosed in Annexure -5)	1	₹30,000	5% of P.O.

NIAMT invites tender from the reputed manufacturers or their authorized dealers so as to reach this office on or before scheduled date and time for the instrument, 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 (www.nifft.ac.in) 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. The Director, NIAMT, Hatia, Ranchi-03 reserves the right to select the item (in single or multiple units) or 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.

**Note:** The Institute shall not be responsible for any postal delay about non-receipt / non delivery of the bids or due to wrong addressee.

**TERMS AND CONDITIONS:** - Important Conditions of the tender to be abide by the tenderer.

1. **Due Date:** The tender has to be submitted before the due date. The offers received after the due date and time will not be considered.
2. **Preparation & submission of Bids:** The offer/bid should be submitted in Two Bid System (i.e.) Technical bid/Document/ Specification in one closed envelope and Financial Bid in a separate closed envelope. Technical Bid and Financial Bid to be clearly mentioned on respective envelope. These two envelopes are to be kept together in bigger envelope The Quotations should be valid for 180 days from the due date. The Quotations duly sealed and super scribed on the envelope with the reference No. and due date, should be addressed to “**The Asst. Registrar- Store & purchase, 1<sup>st</sup> Floor, Administrative Building, NIAMT, Hatia, Ranchi -834003**” so as to reach on or before the due date.
3. **Delivery of the Tender:** The tender shall be sent to the addressee given in para 2 (above) either by post or by courier so as to reach our office before the due date specified in our Schedule. The offer/bid can also be dropped in the tender box on or before the due date specified in the schedule. The tender box is kept in Store & Purchase Section, Administration Building, NIAMT, Hatia, Ranchi..
4. **Opening of the Tender:** The offer/bid will be opened by a committee duly constituted for this purpose. The bidders if interested may participate on the tender opening Date and Time. The bidder should produce authorization letter from their company to participate in the tender opening. Only one representative will be allowed to participate in the tender opening. Financial Bid of only those bidders will be opened who are found successful in Technical Bid evaluation.
5. **Acceptance/Rejection of Bids:** The NIAMT reserves the right to reject any or all offers without assigning any reason.
6. **EMD:** Wherever applicable EMD is to be obtained from the bidders except those who are registered with the Central Purchase Organization, National Small Industries Corporation (NSIC) or the concerned Ministry or Department. The tenderer should submit EMD amount as per tender ref. no. through NEFT/RTGS in NIAMT Account. Account Details are as follows:
  - a. Name of Beneficiary: **National Institute of Advanced Manufacturing Technology (NIAMT)**
  - b. Account No.: **2730101006939**
  - c. Name of Bank: **Canara Bank, NIAMT CAMPUS Branch,**
  - d. Bank Address: **Hatia, Ranchi – 834 003 (Jharkhand)**
  - e. IFS Code: **CNRB0002730**
  - f. MICR Code: **834015008**
  - g. Swift Code: **CNRBINBBCFD**The details of transaction for EMD viz. Name of bidder firm, Tender Description, Transaction ID Number Transaction date, Amount of Transaction, Name of Bank, Address of Bank shall be furnished by the tenderer on their letterhead separately along with their tender.
7. **Refund of EMD:** Bid securities of the unsuccessful bidders shall be returned to them at the earliest after expiry of the final bid validity and latest on or before the 30th day after the award of the contract. In the case of successful Tenderer, it will be retained till the successful and complete installation of the equipment.
8. **Performance Security:** Wherever applicable the supplier shall be required to submit the performance security in the form of irrevocable bank guarantee issued by any Indian Nationalized Bank for an amount which is equal to the 5% of Purchase value at the time of the installation of the equipment covering warranty period of the equipment and should be kept valid for a period of 60 days beyond the date of completion of warranty period.

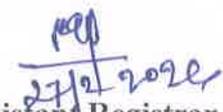
9. **REASONABILITY OF PRICES:** Please quote the best minimum prices applicable for a Premier Research Institution, leaving no scope for any further negotiations on prices. The quoting party should give a certificate to the effect that the quoted prices are the minimum and they have not quoted the same item on lesser rates than those being offered to NIAMT to any other customer within last 12 months from the last date of submission of quotation nor they will do so till the validity of offer or execution of the purchase order, whichever is later. We request you to fill the price reasonability certificate format in the enclosed file (**Annexure-1**)  
The party must give details of identical or similar equipment, if any, supplied to any CSIR labs/DBT Institutes during the last three years along with the final price paid and Performance certificate from them.
10. **Force Majeure:** The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- For the 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 Purchaser 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 purchaser in writing of such conditions and the cause thereof along with documentary proof. Unless otherwise directed by the purchaser 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.
11. **Risk Purchase Clause:** In event of failure of supply of the item/equipment within the stipulated delivery schedule, the Institute has all the right to purchase the item/equipment from the other source on the total risk of the supplier under risk purchase clause.
12. **Packing Instructions:** Each package will be marked on three sides with proper paint/indelible ink, the following:
- i) Item Nomenclature
  - ii) Order/Contract No.
  - iii) Country of Origin of Goods
  - iv) Supplier's Name and Address
  - v) Consignee details
  - vi) Packing list reference number
13. **Delivery of Goods:** Delivery should be given at Store & Purchase Section, **National Institute of Advanced Manufacturing Technology, Hatia, Ranchi – 834 003 (Jharkhand)**
14. **Liquidated Damage:** If a firm accepts an order and fails to execute the order in full or part as per the terms and conditions stipulated therein, it will be open to this Institute to recover liquidated damages from the firm at the rate 0.5% of the value of the undelivered stores per week or part thereof, subject to a maximum of 10% of the value of the undelivered stores. It will also be open to this Institute alternatively, to arrange procurement of the required stores from any other source at the risk and expense of the firm, which accepted the order but failed to execute the order.
15. **Prices:** The price should be quoted in net per unit (after break-up) and must include all packing and delivery charges. The offer/bid should be exclusive of taxes and duties, which will be paid by the purchaser as applicable. However, the percentage of taxes & duties shall be clearly indicated in the Bid. The price should be quoted without custom duty and excise duty, since NIAMT is exempted from payment of Excise Duty and is eligible for concessional rate of custom duty. Necessary certificate will be issued on demand. (**Please refer Annexure – 2 for the price to be quoted**).
16. **Notices:** For the purpose of all notices, the following shall be the address of the Purchaser .
- i) **Purchase :** The Asst. Registrar-Store & Purchase  
National Institute of Advanced Manufacturing Technology Hatia,  
Ranchi – 834 003(Jharkhand).
17. **Resolution of Disputes:** The dispute resolution mechanism to be applied pursuant shall be as follows:
- i) In case of Dispute or difference arising between the purchaser and the supplier relating to any matter arising out of or connected with this contract, 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, National Institute of Advanced Manufacturing Technology (NIAMT), Hatia, Ranchi – 834 003**

(Jharkhand) The Director, NIAMT shall appoint the Arbitrator on getting the report. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.

18. **Applicable Law:** The place of jurisdiction would be Ranchi (Jharkhand) INDIA.
19. **Right to Use Defective Goods:** If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the purchaser's operation.
20. **Training:** The Supplier is required to train the designated Purchaser's technical and end user personnel on site to enable them to effectively operate the total equipment.
21. **Installation & Demonstration:** The supplier is required to do the Installation and demonstration of the equipment within one month of the arrival of materials at the NIAMT site of installation; otherwise the penalty clause will be the same as per the supply of materials.
22. Calibration certificate should be provided by supplier, preferably NABC.
23. The bidder should have supplied similar equipment (s) in IITs/NITs/CFIT any other central organization in India in the past years. Attach P.O. (Purchase order) copies of the same proof.
24. **Warranty:** 3 Years Warranty shall have to be provided by the firm. The Warranty should be comprehensive on site.

Note: If the OEM warranty is for 12 Months, additional extended warranty of two years should be quoted separately with or without price.

25. **AMC:** Annual Maintenance Contract (AMC)/Comprehensive Maintenance Contract (CMC) up to next five years after warranty period is over should be quoted separately.
26. **Taxes and Duties:** Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser. However, GST in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the order. The Purchaser will provide all necessary certificates for exemption of taxes for Educational Institutions.
27. **Payment:** No Advance shall be paid. 100% payment shall be made by the Purchaser after delivery, inspection, successful installation, commissioning and acceptance of the equipment at NIAMT in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 8 of tender terms and conditions.
28. **User list:** Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items enquired have been supplied must be provided.
29. **Manuals and Drawings:**
  - Before the goods and equipments are taken over by the Purchaser, the Supplier shall supply operation and maintenance manuals. These shall be in such details as will enable the Purchaser to operate, maintain, adjust and repair all parts of the works as stated in the specifications.
  - The manuals shall be in the ruling language (English) in such form and numbers as stated in the contract.
  - Unless and otherwise agreed, the goods equipment shall not be considered to be completed for the purposes of taking over until such manuals and drawing have been supplied to the Purchaser.
30. **Site Preparation:** The supplier shall inform to the Institute about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the Institute should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter. The supplier shall visit the Institute and see the site where the equipment is to be installed and may offer his advice and render assistance to the Institute in the preparation of the site and other pre-installation requirements.
31. **Acknowledgement:** By submitting their Bids, it shall be deemed that the bidders have gone through all the conditions mentioned above and agree to abide by them. A copy of this Tender Enquiry must be signed in all pages and submitted along with the Quotation/ Bid.

  
Assistant Registrar-S&P  
NIAMT, Ranchi, Hatia



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**Annexure – 1**

**PRICE REASONABILITY CERTIFICATE**

This is to certify that we have offered the maximum possible discount to you in our Quotation No. ....dated.....for (Value Rs.) .....

We would like to certify that the quoted price are the minimum and we have not quoted the same item on lesser rates than those being offered to NIAMT to any other customer within last 12 months from the last date of submission of quotation nor we will do so till the validity of offer or execution of purchase order, whichever is later.

**Seal and Signature of the tenderer**



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Annexure - 2

Name of Equipment with Model No: .....

Name & Address of Manufacturer: .....

**Price Quoted:**

**A. For Indigenous Equipment:**

- i) Cost of equipment (Rs.): .....
- ii) GST (Rs.) : .....
- iii) Any other charges (Rs.) : .....
- iv) Total cost of equipment (in Rs.) F.O.R, NIAMT, Ranchi. : .....

**B. For Imported Equipment:**

- i) Cost of equipment (In Foreign Currency): .....
- ii) Packing and Forwarding: .....
- iii) CIF Price: .....
- iv) Freight charges up-to Ranchi Airport / Ranchi Railway Station: .....
- v) Insurance (110% of the cost of the equipment): .....
- vi) For NIAMT Ranchi: .....

Signature of Tenderer with date and seal



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**Annexure - 3**

**BID PARTICULARS**

1. Name of the Supplier:
2. Address of the Supplier:
3. Availability of demonstration of equipment: Yes / No
4. Tender cost enclosed: Yes/No if yes
5. Online EMD submission information enclosed: Yes / No if Yes  
Transaction ID/No. of Transfer:.....  
Transaction date: .....  
Amount of Transaction: .....  
Name of Bank: .....  
Address of Bank: .....
6. Name and address of the Officer/contact person to whom all references shall be made regarding this tender enquiry

Name:

Address:

Ph:

Fax:

Mobile:

Email:

Web:



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**Annexure - 4**

**Compliance Statement for the Tender Specifications**

Tender Ref No.:

Sl. No.	Check list of documents / Undertakings	Yes / No	Remarks (give explanation if the answer is No)
01.	Is EMD details attached? (if applicable)		
02.	Is the bidder original equipment manufacturer (OEM)/authorized dealer?		
03.	If authorized dealer, recent dated certificate to this effect from OEM, attached or not?		
04.	Undertaking from OEM regarding technical support & extended warranty period.		
05.	Validity of 180 days or not?		
06.	Price Reasonability Certificate enclosed as per format?		
07.	Undertaking from bidder regarding acceptance of tender Terms & Conditions		
08.	Whether list of reputed users (along with telephone numbers of contact persons) for the past three years specific to the instrument attached?		
09.	Does the instrument comply with all the specifications detailed? Attach a separate sheet showing compliance with the specifications and explanations thereto if the equipment varies from the requested specifications.		
10.	Whether free installation, Commissioning and Application Training offered?		
11.	Whether comprehensive onsite warranty offered?		
12.	Whether Annual maintenance after expiry of comprehensive onsite warranty quoted separately?		

## Specifications for Digital Torsion Machine

1. Machine should be suitable for Torsion and twist test on various metal rods and flats.
2. Torque capacity: 1000 N-m or better
3. Torque resolution 0.01% of machine capacity of entire range
4. List count: 0.01 N-m for Torque, 0.01 degree for angle
5. Torsional Speed: 0.5 rpm to 1.5 rpm (provision for variable speed mode should be available)
6. Distance between the grips: 0-600 mm
7. Position Accuracy: 0.05 degree or better
8. Speed accuracy: 0.1 % of set speed or better
9. Grips of round bar of diameter: up to 25 mm
10. Grips for flat bar (Width) up to 30 mm
11. Motor Power: minimum 2 HP, standard 3-phase, 50 Hz AC
12. Zero backlash in torque reversal
13. Torque measurement by torque cell & angle of twist on LCD display on Data Acquisition System.
14. Data Acquisition system:
  - Sampling rate from 4 to 100 Hz
  - Data Channels: Torque Cell or transducer, Angle of twist, rotary encoder or similar angle transducer
  - Digital Filters: For smooths out high frequency noise while preserving the low-frequency signal of the test
15. Supplier must provide compatible laptop/computer for control, monitoring, logging data from the test system which is attached to the main equipment. All necessary software platforms such as real time graphs, post data analysis, printer port, digital display for load-displacement/angle of twist, finding shear modulus should be available with machine.
16. The equipment should be supplied with all standard accessories for the functioning of the equipment.
17. Demonstration and training should be provided by the supplier.
18. Calibration certificate should be provided by supplier, preferably NABL
19. The bidder should have supplied similar equipment (s) in IITs/NITs/CFTIs/any other central organization in India in the past years. Attach P.O. (Purchase order) copies of the same as proof.
20. Total Equipment Warranty: minimum 3 years