



राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर हमीरपुर 177005-(हि.प्र.)

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR (H.P.)-177005

[An Institute of National Importance under Ministry of Education (शिक्षा मंत्रालय)]

E-TENDER NOTICE

Sealed online e-Tender in two bid system are hereby invited by the undersigned for the supply of following items on behalf of the Director, NIT, Hamirpur from the Eligible/ Experienced/ Resourceful, manufacturer's dealer/authorized distributor etc. having experience in appropriate field and who have successfully completed works of similar type, so as to reach in the office of the undersigned as per date & time mentioned below.

Sr. No.	Name of works/item	Qty/ No.	Earnest Money In Rs.	Time Limit
1	Supply and installation of Portable crane for transporting concrete slabs/beams from casting yard to structural engineering lab (Capacity 3T) (For detailed Technical specifications of items & quantity please refer to SBD)	01 Nos.	4000	60 days
2	Supply & Installation of Tensiometer (For detailed Technical specifications of items & quantity please refer to SBD)	01 Nos.	6000	60 days
3.	Supply & Installation of Compression Testing Machine (For detailed Technical specifications of items & quantity please refer to SBD)	01 Nos.	8000	60 days
4	Supply & Installation of Industrial Oven (For detailed Technical specifications of items & quantity please refer to SBD)	01 Nos.	4000	60 days
5	Supply & Installation of Electronic Weighing Machine (For detailed Technical specifications of items & quantity please refer to SBD)	01 Nos.	3000	60 days
6	Supply & Installation of Direct Shear Test Apparatus- Small Box (For detailed Technical specifications of items & quantity please refer to SBD)	01 Nos.	10000	60 days
7	Supply & Installation of Standard Penetration Test Apparatus (For detailed Technical specifications of items & quantity please refer to SBD)	01 Nos.	8000	60 days
8	Supply & Installation of Electronics consolidation Apparatus (For detailed Technical specifications of items & quantity please refer to SBD)	01 Nos.	10000	60 days
9	Supply & Installation of Digital CBR Testing Machine (For detailed Technical specifications of items & quantity please refer to SBD)	01 Nos.	7000	60 days

10	Supply & Installation of Benkelman Beam (For detailed Technical specifications of items & quantity please refer to SBD)	01 Nos.	3000	60 days
	Note:- Regarding individual item wise EMD issues please refer to SBD for details	Total EMD	63000	

1. Availability of bid document and mode of submission:-The bid document is available online and bid should be submitted in online mode on website <http://www.eprocure.gov.in/> and <http://www.nith.ac.in/>. Bidder would be required to register in the web-site which is free of cost. For submission of bids, the bidder is required to have Digital Signature Certificate (DSC) from one of the authorized certifying authorities (CA).

2. Key dates: (1)

1	Date of online publication	20.04.2021 at 6.00 PM
2	Document download start and end date	20.04.2021 to 10.05.2021 10.30 AM
3	Bid submission start and end date	20.04.2021 to 10.05.2021 10.30 AM
4	Physical submission of EMD, technical documents and cost of tender document etc.	On or before 05.30 PM on 12.04.2021
5	Date of opening of technical bid	11.05.2021 at 11.30 AM

- (II) Objections/representation if any against the bidders will be entertained only within three days after publication/uploading of technical bid opening summary on net and thereafter that the date of opening of financial bid of technically qualified bidders will be published /uploaded on net.

3. Tender Details:-The tender Documents shall be uploaded in 2 cover:-

Cover 1:-Shall contain scanned copies of all "Technical Documents/Eligibility information".

Cover 2:- Shall contain "BOQ/Financial Bid", where supplier will quote his offer for each item.

- (a) Submission of Original Documents: The bidders are required to submit (a) original demand draft towards the cost of bid document if any and (b) original bid security/Earnest Money deposit (EMD) and other technical documents in the Store & Purchase section, NIT Hamirpur-177005 (HP) as specified in the key dates of **Sr. no.2** on tender opening dates & schedule, failing which the bids will be declared non-responsive. EMD in the form of DD/FDR must be attached with in favour of Director, NIT, Hamirpur (H.P) -177 005. The EMD should be remained valid for a period of 90 days beyond the final bid validity period. EMD of unsuccessful bidders shall be returned after the expiry of the final bid validity or before the 30th day of the award of contract. The EMD of the successful bidder shall be released after successful execution of supply order. The above condition is applicable to all & no relaxation will be given.

4. BID OPENING DETAIL: - The bids shall be opened as per schedule specified in the key dates of **Sr. no.2** in the store & Purchase section, NIT, Hamirpur by the authorized officer. In their interest the tenderer are advised to be present along with original documents at the time of opening of tenders. If the office happens to be closed on the date of opening of the bids as specified, the bids will be opened on the next working day at the same time & venue.

5. The bids shall remain valid for acceptance for a period of not less than 90 days after the deadline date for bid submission. Other details can be seen in the bidding documents. The officer inviting tender shall not be held liable for any delays due to system failure beyond its control. Even though the system will attempt notify the bidder of any bid updates. The Employer shall not be liable for any information not received by the bidder. It is the bidders responsibility to verify the website for the latest information related to the tender.
6. The copy of enlistment order & renewals, Copy of PAN issued by Income tax Department and copy of GST Certificate must accompany in the cover-1
7. The bidder preferably must have successfully supplied similar items in recent years. The bidders shall have to produce supporting documents giving date of award, date of commencement and completion from the concerned competent authority and should be included in cover-1
8. Destination: F.O.R. destination i.e. NIT, Hamirpur (HP) and the rates must include the charges for Packing, Forwarding, Freight, etc., if any.
9. Price/Rate: The price of items may be quoted in Indian rupees.
10. GST:- All the firms may invariably mention their GST/PAN numbers on tender failing which quotations may not be considered valid. Further, this Institution does not issue any C/D Concessional form, so the GST applicable as per actual rates must be mentioned in the offer. In case GST is not mentioned, the rates shall be treated as inclusive of all taxes.
11. **The bidders/firms have to supply the complete catalogue/brochure of the products to be supplied along with the Technical bid.**
12. The technical bids will be evaluated on the basis of terms & conditions of the tender and details of the product to be supplied as per condition 11 of the tender notice. The committee reserves the right to reject any technical bid on the basis of technical specifications/catalogue/brochure submitted.
13. Conditional/ telegraphic tenders shall summarily be rejected.
14. For any clarifications bidders are requested to contact FI (Purchase), NIT Hamirpur at his E-mail ID i.e. fi@nith.ac.in.
15. The tender/bid shall be kept in a sealed envelope superscribed as "Tender for (Name of work and date of opening)".
16. The jurisdiction of the law of court shall be at Hamirpur (HP).

No: NIT/HMRCivil/ 2021/DPR/99-101

FI (Purchase)

Dated: - 19/4/21

Copy forwarded to the following for information please:-

1. The HOD, Civil Engineering Department
2. Dr. Vimal Kumar, Dr. Joy Pal, Dr. Jitendra Singh Yadav, Assistant Professor, DoE&CE.
- ✓ 3. The FI(CC), for getting the advertisement displayed in the Institute website for wider publicity under head: - **Supply and installation of Portable crane , Tensiometer, Compression Testing Machine, Industrial Oven, Electronic Weighing Machine, Direct Shear Test Apparatus- Small Box , Standard Penetration Test apparatus, Electronics consolidation Apparatus, Digital CBR Testing Machine, Benkelman Beam for Civil Engineering department of NIT Hamirpur.**

FI (Purchase)

Dated: - 19/4/21



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NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR (H.P.)-177005

[An Institute of National Importance under Ministry of Education (शिक्षा मंत्रालय)]

NIT-SBD

Subject: - Supply and installation of Portable crane , Tensiometer, Compression Testing Machine, Industrial Oven, Electronic Weighing Machine, Direct Shear Test Apparatus- Small Box , Standard Penetration Test apparatus, Electronics consolidation Apparatus, Digital CBR Testing Machine, Benkelman Beam for Civil Engineering department of NIT Hamirpur.

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	Note:- Regarding individual item wise EMD issues please refer to SBD for details	Total EMD	63000	

Detailed specifications

Sr.No.	Name of Equipment	Detailed specifications
1	Portable crane for transporting concrete slabs/beams from casting yard to structural engineering lab (Capacity 3T)	<ul style="list-style-type: none"> Capacity: 3 Tons Type: Single Girder Height of Crane: 3500 mm. Width: 1.8 - 2 m Length: 3 m Max. Lift height: 2.5 m Material: Mild Steel. Manual chain hoist of capacity: 3 Tons. 4 Heavy duty tyres (at the base) for movement of crane with locking arrangement. Provision of movement of chain hoist on the girder between the supports.
2.	Tensiometer	Contact Angle Range 0 to 180° Resolution 0.01° Accuracy +/- 0.10° G1 Series Camera GigE Interface, 210 fps Backlighting Variable Fiber Optic Illuminator Stage Advanced 3-Axis Stage Included Components Oscillator Automated Tilting Base Environmental Chamber/Controller Peltier Environmental Chamber Optical Overhead Imaging Kit Environmental Fixture
3	Compression Testing Machine	2000 kN capacity, Digital. Micro Controller & Automatic
4	Industrial Oven	<ul style="list-style-type: none"> A double walled oven with the inner chamber made of stainless steel sheet and the outer surface of mild steel with a gap 64-75 mm between them for proper insulation shall be provided. It should have a internal chamber size of 605 mm x 910 mm x 605 mm with a precision thermostat to control the temperature from ambient to 250°C with $\pm 1^\circ\text{C}$ sensitivity. It should have a provision of perforated shelves with ability to adjust at any level. It should have provision of electrical control panel for temperature control, air ventilators, automatic timer and air circulating fans. The equipment shall be complete in all respect with all accessories and shall be installed and demonstrated in Civil Engineering Department, NIT

		Hamirpur
5	Electronic Weighing Machine	<p>Digital Weighing Balance Electronic digital balance capacity 10 kg x 0.5 gm pan size 290 mm x 210 mm.</p> <ul style="list-style-type: none"> Complete in all respect and demonstration and installation in Civil Engineering Department of NIT Hamirpur <p>Electronic Balance Capacity 3000 gm x 0.1gm pan size.</p> <ul style="list-style-type: none"> Complete in all respect and demonstration and installation in Civil Engineering Department of NIT Hamirpur.
6	Direct Shear Test Apparatus- Small Box	<ul style="list-style-type: none"> Specification for shear box for testing of soil meets the requirements of IS 11229-1985. The shear box shall consist of the following: <ol style="list-style-type: none"> Upper and lower parts of shear box coupled tighter with two pins, Grid plates – 2 pairs, Stone plates, Base plates, Top plate, Loading pad, Water jacket, etc. Direct Shear Apparatus (Motorised) 12 speed meets the requirements of IS: 2720 (Part XIII) – 1986. The equipment shall have a provision to apply shear load at a strain rate varying from 0.0001-9.9999 mm/min. It shall be able to apply a maximum normal load up to 500 kPa and shearing load up to 50 kN. The Digital Direct Shear Apparatus shall also have the provision or attachment to test geosynthetic interface friction. The equipment shall be provided with electronic digital display system and sensors for vertical and horizontal displacement with a range of ± 50 mm, load cell with a capacity of 50 kN. The equipment shall be provided with windows 7/10 compatible software for online data acquisition. The software shall have an option for manual as well as automatic recording of data. The software shall be able to display and save the test results in graphical/numerical format. The equipment shall be provided with latest configuration computer and printer. The computer with recent high speed processor, 500 GB HDD, 4GB RAM, DVD R/W drive, Key Board, laser mouse, 6USB Ports, 19" LCD Monitor, SVGA Adaptor card shall be provided. A laser printer with print capacity of 24 A-4 pages per minute and a resolution of 600 x 600 dpi with duty cycle of 8,000 pages per month compatible with Windows 10 operating system shall be provided. A UPS of output power of 1 KVA and battery backup of one hour shall be provided. The equipment shall be complete in all respect with all accessories and shall be installed on pedestal and demonstrated in Civil Engineering Department, NIT Hamirpur.
7	Standard Penetration Test Apparatus	<ul style="list-style-type: none"> Split Spoon Sampler: This sampler meets the requirements of IS:9640 for carrying out standard penetration tests as per IS:2131 to determine the penetration resistance of soils in-situ (n - value) the equipment comprises the following:- <ol style="list-style-type: none"> split barrel 38 mm i.d. 50.8 mm od and 500 mm long.

		<ul style="list-style-type: none"> ii) driving shoe with hardened cutting edge. iii) head assembly with ball valve and adaptor to fit to a-rod. • Drop hammer: weight 65 kg. Complete with lifting eyes and chain. • Guide pipe assembly with two end caps to give a free fall of 75 cm to hs34.100 • Tripod stand with 5-meter-long mild steel legs (in two pieces) with tie bolt and pulley. • Spt extension rods- 0.5, 1.0, 1.5, 3.0 mts • The equipment shall be complete in all respect with all accessories and shall be demonstrated in Civil Engineering Department, NIT Hamirpur.
8	Electronics consolidation Apparatus	<p>Specification for consolidation ring, Porous stone, consolidation cell, loading device etc for testing of soil meets the requirements of IS: 2720 (Part 15)- 1986.</p> <p>It consists of three units of following mounted on a single frame along with electronic system -</p> <ul style="list-style-type: none"> • Fixed ring consolidation cell for 60 mm dia x 20 mm thick specimen complete with two porous stones, cutting ring and loading pad. • The set of weights to give 16 kg/cm² pressure intensity on the test specimen consisting of 7 x 0.05 kg/cm², 5 x 0.1 kg/cm², 6 x 0.2 kg/cm², 6 x 0.5 kg/cm² and 5 x 1 kg/cm². • The equipment shall be provided with electronic digital display system and sensors for vertical displacement with a range of ± 20 mm. Software should be user friendly and does all the calculations of Consolidation Test. Software should be able to plot the following graphs: (a) Sq. Root Time vs Deformation Readings and gives the value of t_{90}; (b) Void Ratio vs Effective Stress and also gives the values in the tabular form; (c) Calculates c_c, a_v, m_v and c_v values for all stress increments; (d) Also gives the Past Consolidation Pressure for the soil. • The equipment shall be provided with windows 7/10 compatible software for online data acquisition. The software shall have an option for manual as well as automatic recording of data. The software shall be able to display and save the test results in graphical/numerical format. The equipment shall be provided with latest configuration computer and printer. The computer with recent high speed processor, 500 GB HDD, 4GB RAM, DVD R/W drive, Key Board, laser mouse, 6USB Ports, 19" LCD Monitor, SVGA Adaptor card shall be provided. A laser printer with print capacity of 24 A-4 pages per minute and a resolution of 600 x 600 dpi with duty cycle of 8,000 pages per month compatible with Windows 10 operating system shall be provided. A UPS of output power of 1 KVA and battery backup of one hour shall be provided. • The equipment shall be complete in all respect with all accessories and shall be installed on pedestal and demonstrated in Civil Engineering Department, NIT Hamirpur
9	Digital CBR Testing Machine	<p>Specifications:</p> <p>Display type: Digital</p> <p>Weight: 68 kg</p> <p>Maximum Load: 50 kN (motorized)</p> <p>Material: Mild steel</p> <p>Voltage: 230 V</p>

		Power: 750 W Frequency: 50 Hz Speed rate: 1.27 mm/min Automation type: Semi-automatic
10	Benkelman Beam	Specifications: Applicable standards: AASHTO T-256 Material: Aluminum Reading: digital gauge


TERMS AND CONDITIONS:-

1. **Validity:** Minimum validity of the quotation will be 03 months from the date of opening of the quotation/tenders.
2. **Time Limit:** - The firm/supplier has to supply and install the equipments within 45 days from the date of the award letter.
3. **Guarantee/warranty:** - The supplier has to provide equipment guarantee/warranty supplied for next 01 years from the date of successful installation of the equipment supplied. (Certificate of the same to be given by the supplier)
4. **Demonstration & Training:-** The supplier will have to demonstrate and impart training to concerned users at NIT, Hamirpur after successful supply & installation. (Certificate of the same to be given by the concerned user/indenter).
5. **EMD:** EMD in the form of DD/FDR /Bank Guarantee must be attached in favour of Director, NIT, Hamirpur (H.P) -177 005. The EMD should be remained valid for a period of 90 day beyond the final bid validity period. EMD of unsuccessful bidders shall be returned after the expiry of the final bid validity or before the 30th day of the award of contract. The EMD of the successful bidder shall be released after expiry of warranty period.

Note:-If a bidder wishes to participate for all items then he has to club the EMD total amount item wise and has to upload the same online while filling the tender. (e.g if bidder wants to quote for first item only then he has to upload EMD of Rs.4000 only. In case he wishes to quote for 1, 2 & 3rd item only then he has to upload EMD amounting to Rs.(4000+6000+8000=18000). Hence in the similar analogy corresponding item wise EMD total amount is to be uploaded.

6. **Technical Evaluation:-** Technical evaluation of the participating firms will be done strictly on the basis of catalogues/brochures/literature/technical details of the product to be supplied along with relevant experience & fully complying all the terms & conditions of the SBD & tender notice. It is mandatorily required to supply all the technically documents physically. NIT Hamirpur also reserves the right to seek clarification from any of the participating firm during technical evaluation.
7. **Destination:** F.O.R. destination i.e. NIT, Hamirpur (HP) and the rates must be quoted inclusive of all taxes and charges.
8. **Penalty:** In case the firm/vendor fails to supply the equipments within the stipulated period penalty without assigning any reasons @ 1/2% (half percent) of the total value of the item covered in order as penalty per day subject to a maximum of 5% (five percent) will be imposed unless extension is obtained in writing from the office on valid ground before expiry of delivery period
9. **Price/Rate:** The price of equipment/items may be quoted as per BOQ clearly mentioning the Basic rate & GST in the specific columns of BOQ in Indian rupees. Tender will be awarded to the participating bidder who will be lowest in terms of per item price.

10. **GST:** - All the firms may invariably mention their GST/PAN numbers on quotation/tender failing which quotations may not be considered valid. Further, this Institution does not issue any C/D Concessional form, so the GST applicable as per actual rates must be mentioned in the offer. In case GST is not mentioned, the rates shall be treated as inclusive of all taxes.
11. **NIT/NIQ Opening:** Representative of the firm may be present at the time of opening of the Quotations, if it wishes.
12. **Payment:** 100% payment shall be made immediately after receipt of material in good condition and successful installation of the same. (Certificate of the same to be given by the indenter/inspection committee NIT, Hamirpur)
13. **Right of Acceptance/Rejection:** Right of acceptance and rejection of any tender/quotation in part or full without assigning any reason are reserved with the institution authorities. The number of items to be purchased could be increased or decreased depending on the requirement of end user.
14. In case of any dispute the jurisdiction of Hamirpur (HP) Courts shall apply.


FI (Purchase) 19/4/21