



Institute of Infrastructure, Technology, Research And Management

(An Autonomous University established by Government of Gujarat)

IITRAM Campus, Parishkar Campus, Near Khokhra Circle,
Maninagar (East), Ahmedabad – 380026.

Phone: 079-67775430

e-Mail: office@iitram.ac.in

Website : www.iitram.ac.in

Tender No.: 2022/16

Date: 13-06-2022

Notice Inviting Tender

Important Information:

Name of Item:	BID FORM for Procurement of Creep Testing Machine for Construction Materials Laboratory
Date of Issue	13-06-2022
Tender Fee	Rs.1770.00 (Including 18% GST)
EMD	Rs.42,000.00 (Refundable)
Last date for Online BID Submission	12-07-2022 till 05:00 pm
Last date for Physical BID Submission	13-07-2022 till 05:00 pm
Opening of Technical BID	19-07-2022 at 02:00 pm
Opening of Financial BID	To be announced later through email
Tender Inviting Authority and Address	The Registrar (In-Charge), Institute of Infrastructure, Technology, Research And Management, Near Khokhara Circle, Maninagar (East), Ahmedabad – 380026, Gujarat. Phone: - 079-67775430

Institute of Infrastructure, Technology, Research And Management

Notice Inviting Tender

Name of Item: Procurement of Creep Testing Machine for Construction Materials Laboratory

Sir,

The Institute of Infrastructure, Technology, Research And Management (IITRAM), Ahmedabad invites quotations for **Procurement of Creep Testing Machine for Construction Materials Laboratory** under “Two bid system in e-Tender format.” Interested parties who wish to participate in this e-Tender may obtain the Tender documents from IITRAM website www.iitram.ac.in or from <https://education.nprocure.com>. Firms have to submit the technical documents through RPAD, Speed Post or in Person till the last date and time prescribed for submission. Tender sent by other means will not be accepted in any case. Hardcopy of Tender Document, Tender Fee, EMD and other essential documents should be submitted on or before **13-07-2022 till 05:00 PM** in the office of The IITRAM, Near Khokhara Circle, Maninagar (East), Ahmedabad-380026. Financial bid is to be submitted in electronic form only on n-procure site. (<https://education.nprocure.com>).

1. Eligibility Criteria:

- 1.1 The firm should have PAN No. Enclose a copy of the PAN Card.
- 1.2 The firm should be registered with GST. Enclose a copy of the Registration No.
- 1.3 The firm has to submit at least last three years Income Tax Return of their firm.
- 1.4 The firm has to submit the Firm Registration Certificate.
- 1.5 The firm has to submit the Authorization Letter from the Original Manufacturer in case if the firm is a Distributor or a Supplier.

2. General Terms and Conditions:

- 2.1 The firm has to quote the price for the item as mentioned in particular Annexure-I.
- 2.2 The price quoted shall include Taxes, other levy payable, all freight, packing & forwarding, transportation, loading & unloading, custom duty, excise duty & other duties, other charges to supply Goods at IITRAM.
- 2.3 **Institute of Infrastructure, Technology, Research And Management, Ahmedabad is established Under the Gujarat Act No. 5 of 2013 as a State Government University for Research (Government of Gujarat). Please check our website: www.iitram.ac.in for detailed act) - As per the Government of India, Ministry of Finance, Notification No. 47/2017-Integrated Tax(Rate), dated 14th November, 2017 or Notification No. 45/2017-Central Tax(Rate), dated 14th November, 2017 the GST amount will be calculated at the rate of 5 per cent., for the goods supplied to this University.**
- 2.4 Rates quoted should also including training, installation, commissioning, erection and demonstration of machine/material/goods/instruments/equipment at our site.

- 2.5 The items for which quotation have been submitted must be in accordance with the specifications given in **Annexure-I**.
- 2.6 The rates quoted by the firm shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- 2.7 The offer shall be valid up to 90 days from the date of opening of Technical bid.
- 2.8 The Tender is liable to be rejected if complete information is not given therein or if the particulars and date (if any) asked for in the scheduled tender are not fully filled in. Particular attention must be paid to delivery date and also to the particulars referred to in the condition of the contract.
- 2.9 Financial bids will be opened in online format of technically qualified firms only.
- 2.10 Tenders not complying with the above conditions are liable to be rejected at the sole discretion of IITRAM without any further reference / communication.
- 2.11 This tender is not transferable.
- 2.12 IITRAM reserves the right to choose, accept or reject any or all requests/deviations/offers, in full or part and also reserve the right at any stage to reduce or increase the quantity and split the order.
- 2.13 The Supplier/Vendor has to submit photocopy of following documents along with duly signed & stamped:
- i. PAN Card
 - ii. Firm's Registration Certificate
 - iii. GST Registration Number
 - iv. Income Tax Return (Last three years')
 - v. This NIT Documents, Annexures, Appendix, etc.
 - vi. If firm is newly established, provide chartered accountant certificate to make firm eligible for tender. In case of foreign company/organization/industry, has to provide necessary document like firm registration, original manufacturing certificate etc. Otherwise, it shall be liable for disqualification of this NIT.
- 2.14 **Performance Security:** The successful firm shall be required to deposit Performance Security from any Nationalized Bank @5% of the cost of the items to be supplied for the duration of warranty plus additional two months in favor of "IITRAM" within 30 days of the receipt of the Purchase Order. If the firm fails to comply with the above requirements within the said period, the EMD already deposited by him/ them shall be applicable for forfeiture and IITRAM shall purchase the items required at the risk and cost of the successful firm.
- 2.15 This Performance Security will be returned within 30 (Working) days after satisfactory completion of warranty period.
- 2.16 The successful firm shall have to enter into the Agreement in the prescribed Performa provided by IITRAM. (In Rs.300 Stamp Paper).
- 2.17 All or any Claim(s), dispute(s) or difference(s) arising out of or in with connection with this agreement shall be subject to the jurisdiction of the Courts at Ahmedabad only.
- 2.18 Any loss or damage caused to the article in transit/Installation/Testing is to be made up item by the firm free of cost within period of 30 days.

- 2.19 If the firm is blacklisted by Central Government or State Government or any other Government body then its submitted tender will be rejected. It is essential for firm to submit **Appendix - I** duly filled, signed, sealed & stamped manner in hardcopy, failing which the tender will be summarily rejected.
- 2.20 If there happens to be a holiday on any date indicated in the quotation, the transaction shall be performed on the next Working Day.
- 2.21 No firm shall withdraw his rates after the Tender is opened. If a firm does so, his tender related deposit/s shall be forfeited and such firm shall be considered ineligible for work/contract in future.

3. Submission of bid:

- 3.1 The Tender document can be downloaded from website www.iitram.ac.in or from <https://education.nprocure.com>. The fully filled in and complete in all respect Tender must be submitted with Tender Fee, EMD in the form of Demand Draft in separate cover in favor of the "IITRAM" payable at Ahmedabad.
- 3.2 Please mention Tender Number and Firm Name of Firm on back side of DD.
- 3.3 The EMD is refundable within 30 (Working) days after successful award of Purchase Order.
- i. EMD of unsuccessful suppliers / vendors will be returned within 30 (Thirty) working days from the date of award of Purchase Order.**
 - ii. EMD of successful supplier / vendor will be returned within 30 (Thirty) working days after submission Performance Security.**
 - iii. The EMD shall be forfeited;**
 - If the bidder withdraws his bid during the validity period of the bid.
- 3.4 The firm has to submit the Tender in two parts viz., (a) Technical Bid in envelop No.1 and (b) EMD in envelope No.2; both these envelopes should be sealed and put together in a covering envelope, super scribed with, Please Don't Open, bid for ***"Procurement of Creep Testing Machine for Construction Materials Laboratory"*** with due date, Tender Number and complete address.
- 3.5 The firm has to submit financial quotation online only at www.nprocure.com website.
- 3.6 **It is essential for firm to submit Annexures, Appendix & Tender documents (all pages) and other essential documents as mentioned in this NIT notice with duly filled, signed, sealed & stamped manner in hardcopy, failing which the firm tender will be summarily rejected.**
- 3.7 Price quoted "ONLINE" will only be considered for L1.

4. Evaluation of Quotations:

The tender evaluation committee of the IITRAM will evaluate and compare the received quotations to determine the substantially responsive tender i.e. (i) tender is complete (ii) properly signed (iii) confirm the terms/conditions and specifications. Further, the financial evaluation will be done only for the substantially responsive tender based on the following parameter(s):

- Total Price quoted (ONLINE ONLY) as per specifications mentioned in Annexure-I.

5. Award of Contract:

- 5.1 IITRAM will award the contract to the firm who has offered lowest price.
- 5.2 Notwithstanding the above, IITRAM reserves the right to accept or reject any quotation and to cancel the bidding process and reject all quotations at any time prior to the award of contract without giving any reason.
- 5.3 The firm whose bid is accepted will be notified of the award of contract by the IITRAM prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the Purchase Order.

6. Delivery & Penalty:

- 6.1 The Equipment/ Instrument/ Machines/ Goods/ Item are to be delivered within a maximum time limit of 90 days from the issue date of Purchase Order. However, in case of imported Equipment/ Instrument/ Machines/ Goods/ Item are can be delivered within a maximum time limit of 120 days from the issue date of Purchase Order.
- 6.2 After the receipt of Items/Goods in acceptable condition at IITRAM, Ahmedabad bidder has to install Equipment/ Instrument/ Machines/ Goods/ Item within 30 Days. Bidder have to specify delivery period along with the technical documents.
- 6.3 **Penalty:** Penalty of 1% per week of order value will be charged after duration specified above individually. Further, 06 weeks or above delay from above mention days may lead to cancellation of order at the discretion of the university and forfeiting of Performance Security or EMD or Maximum Penalty shall be applicable 10%.

7. Warranty:

- 7.1 Minimum Two-year complete warranty from the date of complete installation, commissioning and erection of all the Equipment/Instruments/Machines/Goods at our site.
- 7.2 Warranty certificate should be provided by original manufacturer in case of bidder is distributor or supplier on company's letter head.

8. Terms of Payment:

- The payment in INR will be released against firm Tax Invoice through the "CROSSED BANK CHEQUE" instrument within 30 days' credit period after acceptance of successful delivery, installation at IITRAM.

9. Address for the Physical Bid Submission:

**The Registrar (In-charge),
Institute of Infrastructure, Technology, Research And Management,
Near Khokhara Circle, Maninagar (East), Ahmedabad- 380026.**

I/c. Registrar

(Schedule of Quantity)

Sr. No.	Name of Item & Specification	Qty.
1.	<p>Creep Testing Machine (As per ASTM C512/C512M – 10) Specifications for Loading Frame and Capacity</p> <ul style="list-style-type: none"> • Loading Capacity:1000 kN • Adjustable platen distance to accommodate three cylindrical specimen testing of 150 dia x300mm height □ Vertical testing space: 900 mm or better • Rigid 4-column construction • Piston Stroke: 50mm or better • Loading Frame Stiffness: 750 kN/mm or higher • Upper crosshead is adjustable in height • Upper compression platen is spherically seated with $\pm 2.5^\circ$ mobility • Loading Accuracy: ± 1 % of the indicated load • Loading Range: 3-100% of the loading capacity • Load Measurement: Through High-pressure transducer or load cell • Capacity to hold load for a period in excess of 5000 hours • Spherical ball seat with platen diameter 200mm • Must have CE Certificate or equivalent <p>Hardware and Hydraulics:</p> <ul style="list-style-type: none"> • Working pressure shall be 600 bar or higher. • The oil flow shall be through an semi-automatic power and control system or better • Load frame shall be free standing and self-reacting type. (No Special Foundation or Grouting shall be required). • Load frame shall be aligned to high precision with adequate factor of safety and high stiffness (both lateral and vertical). It shall be free from self-induced shocks and vibrations. All steel frames shall be hard chrome coated and are weather resistant. • Hydraulic power pack unit shall be of high volume-low pressure feature for fast approach ram action and shall change over to low volume-high pressure for testing. It shall be fitted with a special pressure-compensated flow control valve to allow a precise rate of loading over the completed test. Digital data acquisition system should permit the verification in real time of the load rate on the display. • The compression platens of 1000 kN load capacity shall be made from hardened alloy steel with chrome coating (Vickers hardness shall not be less than 550). The upper platen shall be with a self-aligning action and suitably sized spacers to accommodate a variety of different sizes of specimen. These platens shall be with one end fixed and the other spherical. • Measurement of strain shall be possible by strain gauges from which the strains can be calculated. • It shall include all the necessary accessories including but not limited to spanners, allen keys, foundation bolts (if required), a protective cover, hydraulic oil etc. 	01

Strain Measurement and Data Logging

- Strain accuracy: 1 $\mu\text{m/m}$ or better
- Strain gauges: 60mm length or better, 10 nos
- Sampling rate: upto 10 readings per second per channel via USB, upto 500 readings per second per channel via LAN
- Data Channels: 8 or more
- Data storage on removable pen drive or in computer
- Must have CE certificate or equivalent
- Excitation voltage: 1V to 10V(Programmable)
- Input Signal: 0-10 V and 0-20 mA

Software

- It shall be capable of real-time graph
- It shall be easy to use and capable of zooming and magnification of required portion of graph.
- It shall be capable of graph superimposition, graph comparisons and point tracing facility to be added as additional features as and when needed.
- It shall be capable of wide range of user selectable parameters such as % of compression, stroke movement etc.
- It shall be capable of transferring the complete test data and log and transfer data in various forms such as .dat, .txt, .csv etc.
- The computer system should have following minimum requirements:
 - All-in-one-desktop with i7 processor and Windows 10 operating system
 - 23.8-inch screen monitor with Intel HD Graphics
 - 8GB DDR3L RAM
 - 1TB hard drive
 - 3 USB 3.0 ports
- Specify compliance report with adherence to relevant quality standards (IS/ASTM/EN)
- The machine shall be capable of operating in a dusty environment. Relevant Ingress protection (IP) compliance certificate to be attached
- Vendor must have supplied atleast 3 same or higher capacity machine to Central/State Funded academic institutes/industries of repute during last five years. Purchase order clearly indicating the date of issuance shall also be attached.

Minimum Two-year complete warranty from the time of complete installation, commissioning and erection of all the Equipments/Machines/Goods at our site.

FORMAT FOR SUBMISSION OF COMPANY DETAILS (DATA SHEET)

Sr. No.	Particulars	Details to be filled by the Organization
1	Name of the Company	
2	Registered Office Address Telephone Number Fax Number e-Mail	
3	Correspondence Address Telephone Number Fax Number e-Mail:	
4	Details of the authorized person (Name, designation, address) Telephone Number Fax Number e-Mail:	
5	Is the firm - <ul style="list-style-type: none"> • Government/ Public Sector Undertaking • Proprietary Firm • Partnership firm (if yes, give partnership deed) • Limited company or Limited Corporation • Member of a group of companies (if yes, give name and address and description of other companies) • Subsidiary of a large corporation (if yes give the name and address of the parent organization) If the company is subsidiary, state what involvement if any, will the parent company have in the project. 	
6	Goods & Service Tax Number (GST):	
7	Permanent Account Number (PAN) of the firm.	

Seal & Signature of Company

Date: _____

Place: _____

FINANCIAL BID

(Format for Submission of Financial Details)
 (Data Sheet to be submitted ONLY Online at n-procure website)

Sr. No.	Name of Items	Qty.	Rate (Without GST)	Total Amount (INR)	GST Slab Rate (%)
A	B	C	D	E = (C*D)	F
1.	Creep Testing Machine	01 Nos.			
<div style="background-color: #cccccc; padding: 10px; border: 1px solid black;"> <p><i>This table of financial bid is stated for reference purpose only and please do not disclose any price here at the time of submission of this document.</i></p> </div>					

Declaration:

I/We hereby declare and affirm that I/We have read and understood the terms and conditions of the contract as stipulated in this NIT.

Seal & Signature of Company

Date: _____

Place: _____

(To be printed on Firm's Letter Head)

UNDERTAKING

I, _____ hereby declare that Firm / Company / Agency / Organization / Partnership firm / Proprietary firm titled as _____ has not been blacklisted or banned or debarred at any stage from inception till this date by any of the NITs / IITs / IIITs / Central Universities / IISERs / CSIR Labs Central and State Government body / PSUs / Autonomous Institute or any Other Government Organization. In case of the any fraudulency, the Firm / Company / Agency / Organization / Partnership firm / Proprietary firm is fully aware that the tender / contract will be rejected / cancelled by IITRAM and EMD / Performance Security or any deposited amount shall be forfeited.

In addition to above, IITRAM will not be responsible to pay the bills for any completed / partially completed work.

Seal and Signature of Company

Date: _____

Place: _____