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**NATIONAL INSTITUTE OF TECHNOLOGY**  
**JAMSHEDPUR-831014**  
**(An Institution of National Importance Under MHRD, Govt. of India)**

**INVITATION FOR QUOTATION**

TEQIP-III/2018/nitj/Shopping/2/2018-19/238

11-May-2018

To,

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**Sub: Invitation for Quotations for supply of Goods**

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period (In days)	Place of Delivery	Installation Requirement (if any)
1	Geo-textile Thickness gauge	2 set	45	NIT Jamshedpur	yes
2	Modular Soil Pressure Apparatus with Stand Alone Data Logger.	1set	45	NIT Jamshedpur	yes
3	Geo-textile Pull Out Tester	1 Set	45	NIT Jamshedpur	yes
4	Rapid Chloride Permeability Test with PC Software	1 Set	45	NIT Jamshedpur	yes
5	Carbonation Chamber for Concrete: Specification as per ISO 1920-12:2015	1 set	45	NIT Jamshedpur	yes
6	Drying shrinkage Measuring Instrument for Concrete	1 Set	45	NIT Jamshedpur	yes
7	Sulfate Resistance Apparatus for Concrete	1 Set	45	NIT Jamshedpur	yes
8	Concrete Resistivity	1 Set	45	NIT Jamshedpur	yes
9	Digital Rebound Hammer:	2 Set	45	NIT Jamshedpur	Yes
11	Compressometer with LVDT 25 mm with logger:	1 Set	45	NIT Jamshedpur	Yes
12	HUMIDITY CABINET	1 Set	45	NIT Jamshedpur	Yes

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.


3. Quotation,

- 3.1 The contract shall be for the full quantity as described above.
- 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
- 3.4 Applicable taxes shall be quoted separately for all items.
- 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

- 3.6 The Prices should be quoted in Indian Rupees only.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **55 days** after the last date of quotation submission.
6. Evaluation of Quotations,  
The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which
- 6.1 are properly signed ; and
- 6.2 confirm to the terms and conditions, and specifications.
7. The Quotations would be evaluated for all items together.
8. Award of contract:  
The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- 8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
9. Payment shall be made in Indian Rupees as follows:  
**Delivery and Installation - 0% of total cost**  
**Satisfactory Acceptance - 100% of total cost**
10. All supplied items are under warranty of **36 months** from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **14:00 hours on 01-Jun-2018** .
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **Yes**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,

**Chairman, Purchase Committee**  
**Department of Civil Engineering**  
**National Institute of Technology, Jamshedpur**  
**PO: NIT, Jamshedpur, PIN:831014 ,Jharkhand, India.**

We look forward to receiving your quotation and thank you for your interest in this project.

  
(Chairman, Purchase Committee)





### Annexure I

Sr. No	Item Name	Specifications
1	<b>Geo-textile Thickness gauge</b>	Suitable for measurement of thickness of the geosynthetics/ Geotextile/reinforcing material with an accuracy of 0.002 mm for thickness upto 10 mm and 0.01 mm for thickness greater than 10 mm.
2	Modular Soil Pressure Apparatus with Stand Alone Data Logger.	System should consist of Inverted Hydraulic Jack, 100 KN Load cell, 4 No +/- 75 mm stroke length LVDT with Universal Stand alone 8 Ch data Logger, system should have internal & external Memory. Data Logger should have capability to accept Temperature, pressure and Strain gauge sensors. System should complete with fitting bracket and sensor holder.
3	Geo-textile Pull Out Tester	Pull out Test Apparatus for Geo synthesis 50 kN Digital with pulling arrangement at variable angles and variable speeds with DAQ 8 channel. Standard Size Pull out Tester.
4	<b>Rapid Chloride Permeability Test with PC Software</b>	As per ASTM C1202, AASHTO T277 and ASTM C720. Used for testing the durability of concrete exposed to chloride-contaminated environment. <b>TECHNICAL SPECIFICATIONS</b> Applied Voltage $60 \pm 0.1$ V, Range of Current Measurement $0 \sim 500 \pm 0.1$ mA Or $\pm 0.2\%$ (whichever greater), Temperature Range $0 \sim 100 \pm 1^\circ\text{C}$ , Measurement Channel : 4 Short Circuit Protection System, Data Display on LCD Timer Display on LCD LCD Display: 65 mm $\times$ 33 mm, Dimensions: 280 mm $\times$ 240 mm $\times$ 104 mm
5	<b>Carbonation Chamber for Concrete: Specification as per ISO 1920-12:2015</b>	Measuring temperature Range: $-40^\circ\text{C}$ to $+120^\circ\text{C}$ with resolution of 0.5% C or better. Measuring humidity range: 0-100% RH. Measuring CO <sub>2</sub> range: 0-20% with resolution 5% or better, Relay contact capacity: 220 Volt capacity, Internal Dimension: 800x600x1600 mm, External Dimension: 1200x800x1800 mm. Split Attachment for to break the cube or cylinder mold – to be attached to CTM machine. (indigenous), Suitable carbon dioxide cylinder with all attachment (indigenous)
6	<b>Drying shrinkage Measuring Instrument for Concrete</b>	As per ASTM C 596, The drying shrinkage of concrete can be conducted as per ASTM C 157/C 157M, "Standard Test Method for Length Change of Hardened Hydraulic-Cement Mortar and Concrete
7	<b>Sulfate Resistance Apparatus for Concrete</b>	Specification as per ASTM C 1012
8	<b>Concrete Resistivity</b>	Concrete surface resistivity system: As per AASHTO T358-15. Technical Specification : Range 0.1 – ca. 1000 k $\Omega$ cm (depending on probe spacing), Resolution (nominal current 200 $\mu$ A) $\pm 0.2$ k $\Omega$ cm or $\pm 1\%$ (whichever is greater), Resolution (nominal current 50 $\mu$ A) $\pm 0.3$ k $\Omega$ cm or $\pm 2\%$ (whichever is greater), Resolution (nominal current <50 $\mu$ A) $\pm 2$ k $\Omega$ cm or $\pm 5\%$ (whichever is greater), Frequency 40 Hz, Memory Non volatile, ca. 500 measured values, Power Supply >50 hours autonomy Charger connection USB type B, (5V, 100mA), Dimensions 197 x 53 x 69.7 mm (7.8 x 2.1 x 2.7 inch), Operating temperature $0^\circ$ to $50^\circ\text{C}$ ( $32^\circ$ to $122^\circ\text{F}$ )
9	<b>Digital Rebound Hammer:</b>	Rechargeable batteries including charger. Capability of on-board data storage and transfer to a personal computer for further analysis. Should conform to ASTM C-805, EN 12 504-2, BS -1881-202 and other International Standards. Range: 10 to 70 N/mm <sup>2</sup> , Impact Energy: 2.207 N-m, Silent feature:- Light and easy to use, High resolution and accuracy, Measurement and indication of the exact instrument tilt angle by triaxial inclinometer, Saves, displays and downloads data to PC via USB Port, Automatic conversion of rebound values to equivalent compressive strengths in MPa, N/mm <sup>2</sup> , kg/cm <sup>2</sup> , Automatic elimination of erroneously high and erroneously low rebound values in a single measurement series, Display:- LCD Display (16X2), Communication protocol:- USB data transfer, Software:- Data down Load concrete test hammer software Battery type:- Li-ion rechargeable cell 4.2V, 2200mAh, Operating temp:- $0^\circ$ deg to $60^\circ$ deg Testing Anvil:- With one testing anvil
11	<b>Compressometer with LVDT 25 mm with logger:</b>	Compressometer for Column testing of size 150 mm diameter with LVDT 25mm along with real time data log in with Data logger set up for measuring axial and lateral displacement
12	<b>HUMIDITY CABINET</b>	Humidity & Temperature control. Temperature range $10^\circ\text{C}$ to $60^\circ\text{C}$ . Humidity range 45% to 98% R.H. as per BIS test method of temperature $27^\circ\text{C} \pm 1^\circ\text{C}$ and humidity 50% R.H. $\pm 5\%$ R.H. Both the humidity and temperature read by microprocessor based P.I.D. digital controller. DESCRIPTION: The cabinet construction of double wall. working chamber for low temperature up to $10^\circ\text{C} \pm 1^\circ\text{C}$ . Hot & humidity control regulator knob. Working on 230 volts steady, single phase 50 cycle A/C. main. Size: 24X24X24 inch.

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## FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: \_\_\_\_\_

To: \_\_\_\_\_  
\_\_\_\_\_

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	GST and other taxes payable	
						In %	In figures (B)
<b>Total Cost</b>							

Gross Total Cost (A+B): Rs. \_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_ (Amount in figures) (Rupees \_\_\_\_\_ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of \_\_\_\_\_ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact No: \_\_\_\_\_

