



INVITATION LETTER

Package Code: TEQIP-III/UP/biej/113
Package Name: CE-Electronic, Three Gang Bench Type
Consolidometer (Front Loading)

Current Date: 24-May-2019
Method: Shopping Goods

Sub: INVITATION LETTER FOR Electronic, Three Gang Bench Type Consolidometer (Front Loading)

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	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Electronic, Three Gang Bench Type Consolidometer (Front Loading)	2	BIET, Jhansi	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, initialling, 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 **60**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:

Satisfactory Delivery & Installation - 90% of total cost

Satisfactory Acceptance after one month of Installation - 10% of total cost

10. Liquidated Damages will be applied as per the below:
Liquidated Damages Per Day Min % : N/A
Liquidated Damages Max % : N/A
11. All supplied items are under warranty of **36** months from the date of successful acceptance of items and AMC/Others is .
12. You are requested to provide your offer latest by **15:00** hours on **13-Jun-2019**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **Yes**
15. Testing/Installation Clause (if any) **Yes**
16. Performance Security shall be applicable: **0%**
17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
18. Sealed quotation to be submitted/ delivered at the address mentioned below,
Bundelkhand Institute of Engineering & Tech., Jhansi, Bundelkhand of Engineering & Technology Kanpur Road, Jhansi, Uttar Pradesh, 284128
19. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

(Prof. Mukesh Shukla)
Nodal Officer Procurement
TEQIP-III, BIET, Jhansi

Annexure I

Sr. No	Item Name																								
	<p style="text-align: center;">Specifications</p>																								
	<p>Electronic, Three Gang Bench Type Consolidometer (Front Loading) As per ASTM D2435, BS: 1377, IS: 2720 (Part XV) It should consists of three units of following mounted on a single frame along with electronic system:</p> <ol style="list-style-type: none"><i>i.</i> Fixed ring consolidation cell for 60 mm dia × 20 mm thick specimen complete with two porous stones, cutting ring and loading pad.<i>ii.</i> The set of weights to give 16 kg/cm² pressure intensity on the test specimen consisting of 7 × 0.05 kg/cm², 5 × 0.1 kg/cm², 6 × 0.2 kg/cm², 6 × 0.5 kg/cm² and 5 × 1 kg/cm².<i>iii.</i> Specification of Electronic System<ul style="list-style-type: none">• The Three-channel micro controller based signal conditioning and touch panel display unit attached to the Three-Gang Bench Type Consolidation Test Equipment.• The deformation should be measured by LVDT's and directly indicated in its respective engineering unit.• The system should receive the output signal from the displacement sensors attached to the three-gang bench type consolidation test equipment.• The data of all three channels from three-gang bench type consolidation test equipment should be viewed and transferred to computer through RS-232/ Ethernet on square root time basis and should be online monitored also.• The Unit should also provide the facility of online monitoring of data of all three channels on Touch panel based display.• Touch panel should be provided to perform various operations such as TARE, PROGRAMMING, START, STOP etc. <p>Sensors Specification <u>Linear Variable Differential Transformer (LVDT) Type: 3 Nos.</u></p> <table style="width: 100%; border: none;"><tr><td>• Stroke</td><td>:</td><td>± 10mm</td></tr><tr><td>• Linerity Deviation</td><td>:</td><td>± 1% of Rated Capacity</td></tr><tr><td>• Repeatability</td><td>:</td><td>± 0.1% of Rated Capacity</td></tr><tr><td>• Hysteresis</td><td>:</td><td>± 0.5% of Rated Capacity</td></tr><tr><td>• Excitation</td><td>:</td><td>2-Volt Rms 2 khz Sinusoidal</td></tr><tr><td>• Sensitivity</td><td>:</td><td>1 mV/V/mm</td></tr><tr><td>• Safe Temperature Range</td><td>:</td><td>0° - 50°C</td></tr><tr><td>• Core Fixture</td><td>:</td><td>Spring-Loaded Plunger</td></tr></table> <p>Software Specification The software is windows based and user friendly. It has following features:</p> <ol style="list-style-type: none"><i>i.</i> Data Acquisition from Signal Conditioning Unit to Computer<i>ii.</i> Off-Line Data Analysis Software that does all the calculations of Consolidation Test.<i>iii.</i> Calculates dry density, initial void ratio and moisture content of specimen.<i>iv.</i> Display the following Plots (Graphical)<ul style="list-style-type: none">➤ Sq. Root Time v/s Deformation Readings and gives the value of t_{90}➤ Plots under t v/s deformation➤ Void Ratio v/s effective stress and also gives the values in the tabular form➤ Calculates c_c, a_v, m_v and c_v values for all stress increments. Desired load and unloading cycles can be performed.➤ Also gives the Past Consolidation Pressure for the soil.	• Stroke	:	± 10mm	• Linerity Deviation	:	± 1% of Rated Capacity	• Repeatability	:	± 0.1% of Rated Capacity	• Hysteresis	:	± 0.5% of Rated Capacity	• Excitation	:	2-Volt Rms 2 khz Sinusoidal	• Sensitivity	:	1 mV/V/mm	• Safe Temperature Range	:	0° - 50°C	• Core Fixture	:	Spring-Loaded Plunger
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• Core Fixture	:	Spring-Loaded Plunger																							

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)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

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. _____