



# भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्व का एक संस्थान)

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD

DHANBAD, JHARKHAND, INDIA, PIN-826004

(An Institute of National Importance under Ministry of H.R.D., Govt. of India)

STORES & PURCHASE SECTION Phone:(0326) 2235678 || Email : purchase@iitism.ac.in || Website : www.iitism.ac.in

No. ME/INS/171/18-19

Date: 24 August 2018

## NOTICE INVITING TENDER

**Subject: Supply & Installation of Equipment for Consistency & Consolidation and Compaction of Soil .**

Indian Institute of Technology (Indian School of Mines), Dhanbad invites quotations for the following to be supplied and delivered in Mining Department.

S No	Full Description of items/ store	Qty	Delivery
1	Liquid Limit Device for Soil Testing, Hand Operated with Casagrande grooving tools and gauge block	01 No.	At the Earliest /Ex-Stock
2	Plastic Limit set comprising of glass plate, Brass rod, Spatula, Moisture Tin & Porcelain Dish for Soil Testing	01 No.	
3	Shrinkage Limit Set for Soil Testing	01 No.	
4	Consolidation Apparatus for Soil Testing, Three Gang with Dial Gauges	01 No.	
5	Compaction Test Apparatus for heavy compaction of soils	01 No.	

### Tender Schedule

Particulars	Date & Time
Last date and time for submission of tenders	26.09.2018 at 1:00 P.M.
Date and time of opening of tenders	26.09.2018 at 4.00 P.M.

1. You are requested to quote your lowest rates for the supply of above items in the attached format for Financial Bid (Annexure – II)
2. You may send your representative in the office of the undersigned at the scheduled date and time of opening of tender.
3. Tender should be submitted in sealed cover only superscribed with Enquiry No. and due date at the following address only:

*The Deputy Registrar (P&S)*

*Indian Institute of Technology (Indian School of Mines),*

*Dhanbad – 826 004 Jharkhand*



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## Terms & Conditions

- 1) The rates should be quoted for each item separately.
- 2) Conditional offer will not be accepted.
- 3) IIT (ISM) does not issue any Form 'C' or 'D' towards sales tax concessional rate. Hence, full rate of sales tax/VAT, GST applicable should be quoted.
- 4) **Educational discount**, if any, should be clearly mentioned.
- 5) You are requested to submit your quotation strictly as per the specifications mentioned in the NIT.
- 6) Your tender must be valid for **minimum 90 days** from the date of opening of tender.
- 7) Please mention warranty/ guarantee in your offer clearly. Material/ equipment to be supplied must have minimum warranty/guarantee of **05 years**.
- 8) Each page in the bid document must be numbered properly and duly signed & sealed by the bidder on every page of the bid.
- 9) **The items/ materials shall be required to be delivered at Mining Department/ Section through Purchase & Store Section, IIT (ISM) Dhanbad** at the risk and cost of the tenderer.
- 10) Unloading and installation shall be the complete responsibility of the supplier.
- 11) The stores are required to be delivered within 30 days. Late delivery may not be accepted.
- 12) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 13) Successful bidders may have to submit Performance Security (PBG) in the form of Bank Guarantee only as per the Purchase Order as per rules.
- 14) **Advance payment is not admissible**. Payment shall normally be made within 4-6 weeks subject to receipt and acceptance & installation (as per Purchase Order Terms) of the ordered materials/items.
- 15) In the event date on which the tender is opened for acceptance is declared to be a holiday, the tenders shall be deemed to remain open for acceptance till the next working day.
- 16) Please send your offer by Regd. Post/ Speed Post/ Courier along with Courier receipt. Tender/ quotation will be received during IIT (ISM) working hours only (i.e. Monday to Friday). *Late or delayed tenders shall be summarily rejected.*
- 17) Any other information that you may like to obtain, you are free to contact IIT (ISM) before submission of tender.
- 18) IIT (ISM) reserves the right to accept and/or to reject any/ all tenders without assigning any reason.

Assistant Registrar



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## Annexure – I

### Technical Specifications of Consistency of soil apparatus (Liquid Limit Device, Plastic Limit set and Shrinkage Limit Set), Consolidation Apparatus for Soil Testing-Three Gang with Dial Gauges and Compaction Test Apparatus for heavy compaction of soils along with necessary accessories

Sl. No.	Detailed Specifications of Items
1	Liquid Limit Device for Soil Testing, Hand Operated, with Casagrande grooving tools and gauge blocks as per standards IS:2720 (Part-5) 1985, IS: 9259 along with necessary accessories.
2	Plastic Limit set comprising of glass plate, Brass rod, Spatula, Moisture Tin & Porcelain Dish for Soil Testing as per standards IS:2720 (Part-5) 1985 along with necessary accessories
3	Shrinkage Limit Set for Soil Testing as per standards IS:2720 (Part-6) along with necessary accessories. The equipment should consist of the following replaceable parts: Porcelain Evaporating Dish Shrinkage Dish Glass Cup Perspex plate with three metal prongs Perspex plain plate Spatula Glass cylinder, graduated, 25 ml x 0.5 ml Mercury, 750 g Straight edge
4	Consolidation Apparatus for Soil Testing, Three Gang with Dial Gauges as per standards IS:2720 (Part-15), IS:12287 along with necessary accessories.  The standard outfit should comprise of a fixed ring type of consolidometer cell for testing specimens of 60 mm dia. x 20 mm thick, but the same unit should also be capable of testing the specimens of varying sizes from 50 mm dia. to 100 mm dia. The standard outfit should be supplied with a set of weights to give a total pressure of 10 kg/cm <sup>2</sup> (besides a setting load of 0.05 kg/cm <sup>2</sup> on the specimen) and an additional set of weights should also be supplied to reach the full capacity of 20 kg/cm <sup>2</sup> . The outfits for three-gang should be supplied in which three consolidometers can be mounted on a single frame. The conventional dial gauges 0.002x5 mm should be provided to measure the consolidation.
5	Compaction Test Apparatus for heavy compaction of soils as per standards IS:2720 (Part-8), IS:10074 (Part-8) along with necessary accessories. The Compaction Test Apparatus should consist of the following parts: Compaction mould, complete with Collar and Base Plate, should be made of Gunmetal: 150 mm ID, 127.3 mm height, 2,250 ml volume Rammer: 4.9 kg x 450 mm fall as per standards IS:9198

### Warranty charges:

Total cost of supply must include 05 (five) year onsite warranty including technical support (service, support and maintenance) for all equipment/apparatus/devices and accessories. The cost of repair/replacement/shipping, if any, should be borne by the supplier during the warranty period. A five year warranty certificate including technical support is required from the original equipment manufacturer (OEM).



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Annexure - II

## Format for Financial Bid

NIT No.: ME/INS/171/18-19

Date: 24 August 2018

Bidders Ref. No.:

Date:

GSTIN:

**Subject: Supply & Installation of Equipment for Consistency & Consolidation and Compaction of Soil.**

Sl. No.	Full Description of Items (With HSN Code/SAC Code)	Qty.	Rate	Amount
			Packing & Forwarding (if any)	
			<b>Total</b>	
			GST (if any)	
			Freight (if any)	
			Installation (if any)	
	Amount should be in figure as well as word		<b>Grand Total</b>	

### Note:

- 1) Price basis must be FOR IIT(ISM) Dhanbad only.
- 2) All the details must be provided as per prescribed format only.
- 3) Prices quoted by the bidders should include all local taxes, VAT, service tax, GST, HSN Code, SAC Code, livies, transportation cost and insurance costs etc. if any
- 4) All the rates must be quoted in Indian Rupees.