



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/107/18-19

Date: 30 July 2018

NOTICE INVITING TENDER

Subject: Supply & Installation of Helium Porosity Metre

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	Supply & Installation of Helium Porosity Metre (Detailed Specification is given in Annexure – I)	01 No.	At the Earliest /Ex-Stock

Tender Schedule

Particulars	Date & Time
Bid Security or Earnest Money Deposit	Rs. 8,000.00 (Eight Thousand Only)
Last date and time for submission of tenders	24.08.2018 at 1:00 P.M.
Date and time of opening of tenders	24.08.2018 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) Earnest Money Deposit (EMD) : Should be submitted in form of A/C payee demand draft drawn in favor of Registrar, IIT(ISM) and payable at SBI, IIT (ISM) campus branch or any other Bank/ Branch located in Dhanbad.
- 7) Your tender must be valid for **minimum 90 days** from the date of opening of tender.
- 8) Please mention warranty/ guarantee in your offer clearly. Material/ equipment to be supplied must have minimum warranty/guarantee of **12 Months**.
- 9) Each page in the bid document must be numbered properly and duly signed & sealed by the bidder on every page of the bid.
- 10) **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.**
- 11) Unloading and installation shall be the complete responsibility of the supplier.
- 12) The stores are required to be delivered within 90 days. Late delivery may not be accepted.
- 13) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 14) Successful bidders may have to submit Performance Security (PBG) in the form of Bank Guarantee only as per the Purchase Order as per rules.
- 15) **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.
- 16) 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.
- 17) 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.*
- 18) Any other information that you may like to obtain, you are free to contact IIT (ISM) before submission of tender.
- 19) IIT (ISM) reserves the right to accept and/or to reject any/ all tenders without assigning any reason.

Deputy Registrar



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Annexure – I

Technical Specifications for Supply and Installation of Helium Porosity Metre

Helium porosity metre is an experimental setup for determining the porosity of rock specimens. The instrument is based on Boyle's law and allows the students to make grain volume measurements on core specimens. This information combined with bulk volume data allows for the calculation of sample porosity.

1. The setup must include provision of the followings.

- seating the rock core sample in a matrix cup.
- an arrangement and mechanism in which Helium is isothermally expanded into the matrix cup from a reference cell.
- recording/noting the initial helium pressure of the reference cell.
- the reference cell volume must be provided by the supplier.
- measuring both pressures – the initial helium pressure of reference cell and the resultant equilibrium pressure with the digital transducer and visually display.

2. The vital specifications of the instrument are given as under.

- The instrument must allow testing on rock specimens having Core Dia: up to 38 mm and Core length: up to 64 mm
- Must operate on Electrical power of 220 V AC
- Helium Pressure requirement : up to 14 kg/cm^2 (200 psi) and not less than 12 kg/cm^2
- Gas can be Nitrogen /Helium
- Pressure Sensor Accuracy must be within $\pm 0.1\%$ of Full Scale
- Power consumption of about 50 W

3. Other safety and miscellaneous features that the instrument must include are given as under.

- Air relief valve to prevent over pressurization
- Standard calibration block should be provided
- Machine should have digital display of pressure and temperature
- Calculation spread sheet should be included
- Machine should be compact in size and easy to maintain.
- Operational Manual should be included



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Annexure - II

Format for Financial Bid

NIT No.: ME/INS/107/18-19

Date: 30 July 2018

Bidders Ref. No.:

Date:

GSTIN:

Subject: Supply & Installation of Helium Porosity Metre

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

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.