



# 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. App Chem-500512-2017-18

Date: 10<sup>th</sup>, April 2018

## NOTICE INVITING TENDER

### Subject: Supply & Installation of Freeze Dryer

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

S No	Full Description of items/ store	Qty	Delivery
1	Supply & Installation of Freeze Dryer (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 7,000.00 (Seven Thousand only)
Last date and time for submission of tenders	03.05.2018 at 1:00 P.M.
Date and time of opening of tenders	03.05.2018 at 4:00 P.M.

- You are requested to quote your lowest rates for the supply of above items in the attached format for Financial Bid (Annexure – II)
- You may send your representative in the office of the undersigned at the scheduled date and time of opening of tender.
- 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 GST applicable should be quoted.
- 4) ***Bid Security or Earnest money deposit (EMD)***: should be submitted in form of A/c payee demand draft drawn in favor of Registrar, IIT (ISM) Dhanbad and payable at any other bank/branch located in Dhanbad.
- 5) ***Educational discount***, if any, should be clearly mentioned.
- 6) You are requested to submit your quotation strictly as per the specifications mentioned in the NIT.
- 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) **Performance Bank Guarantee (PBG)**: Successful bidder have to submit a bank guarantee issued by a Nationalized Bank in India towards PBG [in favour of REGISTRAR, IIT (ISM) DHANBAD] for an amount equal to 10% of total ordered value of purchase order and valid towards PBG for an amount equal to 10% of total ordered value of purchase order and valid till the period beyond two months of completion of warranty period.
- 11) **The items/ materials shall be required to be delivered at AChem Department/ Section through Purchase & Store Section, IIT (ISM) Dhanbad** at the risk and cost of the tenderer.
- 12) Unloading and installation shall be the complete responsibility of the supplier.
- 13) The stores are required to be delivered within 30 days. Late delivery may not be accepted.
- 14) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 15) ***Advance payment is not admissible***. Payment shall normally be made within 3-4 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

## **Specifications for Freeze Dryer:**

### **FREEZE DRYER**

Condenser temperature should be -55°C or below (at an ambient of 20°C) for faster drying.

Seamless stainless steel surface condenser made of single stainless steel sheet.

System should have facility for pre-cooling arrangement for small volume of samples.

Condenser size: 162 x 180 mm

Condenser capacity: 2.5 liter /24 hrs, Total capacity 3 L

Condenser volume: 4 L

#### **System should be completed with:**

Cold trap - 55°C

Direct driven high vacuum pump with electromagnetic anti-suck back device & air ballast for preventing back flow of vacuum oil & to reduce vapor pressure. Ultimate vacuum should be 10-3 mbar

Round acrylic base plate for connecting different kinds of manifold

All connection kits — Clamps, Tubing's, and Hose nozzle.

**The Instruments should be built in basic with temperature display and AWO indicator (Alarm-Wait-OK)**

**Provision for connecting vacuum concentrator for future up gradation.**

**Freeze dryer system should be completed with all required vacuum tubing, flanges, connectors, adapters etc.**

**Warranty: Minimum of two years.**

**The instrument should be FOR, HT (ISM), Dhanbad.**

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**Annexure - II**

## **Format for Financial Bid**

NIT No.: App Chem-500512-2017-18

Date:

Bidders Ref: No.

Date:

GSTIN No.:

**Subject: Supply & Installation of Freeze Dryer**

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

### **Note:**

- 1) All the details must be provided as per prescribed format only
- 2) Prices quoted by the bidders should include GST, HSN Code, SAC Code, duties, livies, transportation cost and insurance costs etc. if any
- 3) All the rates must be quoted in Indian Rupees.