



# 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.: Mech/PRJ/031/18-19

Date: 14.05.2018

## NOTICE INVITING TENDER

**Subject: Supply and installation of Single Phase Experimental flow system's Accessory: Water Bath**

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

S. No	Full Description of items/ store	Qty	Delivery
1	<b>Supply &amp; Installation of Single Phase Experimental flow system's Accessory: Water Bath</b> (Detailed Specification is given in Annexure – I )	1	At the Earliest

### Tender Schedule

Particulars	Date & Time
<b>Bid Security or Earnest money deposit</b>	<b>Rs. 8000.00</b>
Last date and time for submission of tenders	<b>13.06.2018 at 1:00 P.M.</b>
Date and time of opening of tenders	<b>13.06.2018 at 3.00 P.M.</b>

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.
- 4) Being an IITs and equipment will be used for research purpose. Hence, GST may be charged @ 5% as per Institute's notification.
- 5) **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.
- 6) Successful bidder has to submit performance bank guarantee as per purchase order terms and conditions.
- 7) **Educational discount**, if any, should be clearly mentioned.
- 8) You are requested to submit your quotation strictly as per the specifications mentioned in the NIT.
- 9) Your tender must be valid for **minimum 90 days** from the date of opening of tender.
- 10) Please mention warranty/ guarantee in your offer clearly. Material/ equipment to be supplied must have minimum warranty/guarantee of **12 months**.
- 11) *Each page in the bid document must be numbered properly* and duly signed & sealed by the bidder on every page of the bid.
- 12) **The items/ materials shall be required to be delivered at ECE Department/ Section through Purchase & Store Section, IIT (ISM) Dhanbad** at the risk and cost of the tenderer.
- 13) Unloading and installation shall be the complete responsibility of the supplier.
- 14) IIT(ISM), Dhanbad is entitled for Custom Duty Exemption under Govt. of India notifications and is registered with DSIR, Govt. of India for this purpose. This may be taken into consideration while quoting minimum possible rate. Exemption Certificates can be issued in favour of manufacturers only, if it is mentioned in the bid. It will not be issued any Indian Agent/dealer or distributor at any circumstances. IIT(ISM) will provide only custom duty exemption certificate for availing concessional custom duty. IIT(ISM) will not pay any extra custom duty other than duty exemption certificate.
- 15) The stores are required to be delivered within 30 days. Late delivery may not be accepted.
- 16) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 17) **Advance payment is not admissible.** Payment shall normally be made within 3-4 weeks subject to receipt and acceptance & installation of the ordered materials/items and submission of bills, PBG etc. (as per Purchase Order Terms).
- 18) 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.
- 19) 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.*
- 20) Any other information that you may like to obtain, you are free to contact IIT (ISM) before submission of tender.
- 21) 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:

### SPECIFICATION FOR SINGLE PHASE EXPERIMENTAL FLOW SYSTEM'S ACCESSORY: WATER BATH

Working temperature range	-20°C to +150 °C <b>or better</b>
Temperature control	PID
Temperature stability	±0.03°C <b>or better</b>
Setting / display resolution	0.01 – 0.1 °C
Temperature Display	LED
Pump capacity flow rate	15 l/min <b>or better</b>
Pump capacity flow pressure	0.35 bar <b>or better</b>
Bath opening / bath depth (W x L / D)	13 x 15 / 15 cm <b>or bigger</b>
Filling volume	3 - 4 litres <b>or Less</b>
Dimensions W x L x H cm	23 x 39 x 65 cm <b>or less</b>
Weight	26 kg <b>or less</b>
Bath tank	Stainless steel
Available voltage versions	230 V / 50 Hz
connection	USB
Removable ventilation grid	<b>Magnetic type or better</b>
Absolute Temperature Calibration	1-point calibration
The pump is controlled via a lever	<b>Easily change between internal and external circulation.</b>
Integrated Timer	0 - 999Minutes. <b>When the set time has elapsed, the device should switch off with a signal sounds</b>
Accessories to be supplied with the unit	i) Hot Chamber with temp control system and Timer having internal size 12" X 12" /12" or less for pre-heating sample upto +200°C/220°C before subjecting to Cooling cycle as well as drying of final sample . ii) Pressure transmitter with Display for pressure measurement of Brine solution coming out of Refrigerated and Heating Circulator iii) Hardwares to load Software for Circulator to store and execute time dependent temp profile. iv) Insulated tube to connect the circulator to the experimental set up - 4Mtr
Warranty	1 year



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Annexure - II

## Format for Financial Bid

NIT No.: Mech/PRJ/031/18-19

Date:

Bidders Ref: No.

Date:

GSTIN No.:

**Subject: Supply & Installation of Single Phase Experimental flow system's Accessory: Water Bath**

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.