



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. PE/INS/120/18-19

Date: 30 July 2018

NOTICE INVITING TENDER

Subject: Supply & Installation of High Pressure and High Temperature (HPHT) Filter Press

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

S No	Full Description of items/ store	Qty	Delivery
1	Supply & Installation of High Pressure and High Temperature (HPHT) Filter Press (Detailed Specification is given in Annexure – I)	01 No.	At the Earliest /Ex-Stock

Tender Schedule

Particulars	Date & Time
Tender Cost	Rs. 500.00 (Five Hundred Only)
Bid Security or Earnest Money Deposit	Rs. 11,000.00 (Eleven 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) and Tender Cost : 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 **24 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 Petroleum Engineering 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 30 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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Date: 30 July 2018

Annexure – I

Technical Specifications for Supply and Installation of High Pressure and High Temperature (HPHT) Filter Press

Features: 175 ml high pressure high temperature (HPHT), filter press is required for determination of filtration properties of drilling fluid (like evaluation of fluid invasion, filter cake thickness, fluid loss reducers, etc.) in HPHT condition as per API standard test methods. The equipment shall conform to relevant API specifications. The set up has the following components:

1. Stainless steel test cell (Single opening cells)
2. Cell Caps with permanently installed 60 mesh screen
3. Aluminium heating jacket.
4. Filter medium.
5. 50 ml Graduated cylinder.
6. Pressurization equipment and pressure controller/regulator along with safety release valve.
7. Back pressure assembly.
8. Thermostat for temperature control.
9. Stem Thermometer.
10. Dual nitrogen manifold.
11. Filter paper – 1 pack of 100 paper (API recommended)
12. Filter press cell clamp
13. Compatible O-ring (five numbers) as spare

Specifications:

1. **Minimum Temperature:** 350 degF (177 degC)
2. **Minimum Cell Pressure:** 1800 psig (12.4 MPa)
3. **Max. Back Pressure:** 750 psig (5.17 MPa)
4. **Sample Cell Volume:** 175 ml
5. **Back pressure Receiver Volume:** 15 ml
6. **Filtering Area:** 3.5 sq. inch (22.58 sq. cm.)
7. **Heating Capacity:** 230/240V, 50 Hz and 400 W
8. **Pressure Connection:** Nitrogen.
9. **Power requirement:** 230/240V AC and 50 Hz

- (1) Model name along with printed catalog/brochure of the quoted item to be provided
- (2) Minimum 2 years warranty to be provided
- (3) IIT(ISM) Dhanbad is registered with DSIR vide Ref. No. TU/V/RG-CDE(367)/2010, Dated 27th August 2010 valid up to 31st August 2020. Hence only 5.0% GST will be applicable for the supply.



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Annexure - II

Format for Financial Bid

NIT No.: PE/INS/120/18-19

Date: 30 July 2018

Bidders Ref. No.:

Date:

GSTIN:

Subject: Supply & Installation of High Pressure and High Temperature (HPHT) Filter Press

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.