



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@ismdhanbad.ac.in || Website : www.iitism.ac.in

No. ESE-500455-2017-18

Date: 20 February 2018

NOTICE INVITING TENDER

Subject: Supply & Installation of Automatic Kjeldahl Nitrogen Estimation System

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

S No	Full Description of items/ store	Qty	Delivery
1	Supply & Installation of Automatic Kjeldahl Nitrogen Estimation System (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	16.03.2018 at 1:00 P.M.
Date and time of opening of tenders	16.03.2018 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) & Tender Fee: 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 **36 month**.
- 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 ESE 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 will have to submit Performance Security (PBG) in the form of Bank Guarantee only as per the Purchase Order before releasing payment.
- 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

SPECIFICATION AUTOMATIC KJELDAHL NITROGEN ESTIMATION SYSTEM:

Kjeldahl Nitrogen Estimation System consist of A) Auto Digestion System, B) Auto Distillation System, and C) Scrubber System.

Description	Specification
General Specification	Bottle capacity : 2 liter Suction Pump : 15 lpm Acid fume extractor : Glass Wattage : 100 watt
Auto Digestion System Specifications	Microprocessor programmable Four (4) sample with 250 - 300 ml capacity Digestion tubes with Sample Size 0.25 - 5 gms. System must have built-in control TFT LCD Display view of Temperature, Time, Date, Real Time etc. Temperature Range Ambient to 450 °C Temperature Stability & Precision: ± 0.5 °C. Temperature Ramping 30 ramps per program Time Selection 1 to 999 Minutes. 1 Minute Steps Preferable RS 232 provision for PC Compatible. 100 User-programmable memories including 50 Program libraries. Safety provision of over temperature cut off, Facility Auto shutdown & Auto start up Facility. Password Login
Auto Distillation System	Microprocessor Programmable based Operation with "7" TFT LCD Display or more size with large fonts size Compatible official methods like AOAC, EPA, DIN, ISO etc, More than 100 Microprocessor Customizable program user storing System. Auto addition of Sample Dilution, NaOH (Alkali), Distillate, Auto Distillate Vol, Should have inbuilt Bellow/Reagents pump for accurate reagent (alkali /acid) dispensing. Microprocessor Auto distillate Control & Adjustable at seam Power 5 to 100% Direct visual of Distillate Temperature in the main Board Not in External Display strictly No Water condensation, Nitrogen Recovery > 99.9%, Nitrogen Reproducibility: +/- .1%. Built-in safety systems for user protection Error diagnostic like door open, Deactivation etc System Intimation Alarm For every sequence Execution for user attention. Provision for connecting USB Port for operating Via PC. Preferably CE certification with accessories
Scrubber System	Automatic Toxic Fumes Exhaust system has to be provided (Scrubber) with Microprocessor Based Digital LCD Display scrubbing system.
Common Features	Four stage acid neutralization scrubbing action. Complete removal of fumes. Environment friendly. Aesthetic design Start / Stop - through digester or direct. Flow control Valve.
Warranty	Standard Warranty: 03 Year (Must include in the cost of instrument) Extended Warranty: 02 Year (Price for extended warranty in separate head)



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Annexure – II

Format for Financial Bid

NIT No.: ESE-500455-2017-18

Date: 20 February 2018

Bidders Ref. No.:

Date:

GSTIN:

Subject: Supply & Installation of Automatic Kjeldahl Nitrogen Estimation System

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.