



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन एवं विकास मंत्रालय, भारत सरकार के अधीन एक राष्ट्रीय महत्व का 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. APP PHY-500243-17-18

Date: 5 October 2017

NOTICE INVITING TENDER

Subject: Supply & Installation of Optical Table along with Vibration Isolators

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

S No	Full Description of items/ store	Qty	Delivery
1	Supply & Installation of Optical Table	01 No.	At the Earliest /Ex-Stock
2	Supply & Installation of Vibration Isolators	04 Nos.	At the Earliest /Ex-Stock
3	Air Compressor (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. 16,000.00 (Sixteen Thousand Only)
Last date and time for submission of tenders	31.10.2017 at 1:00 P.M.
Date and time of opening of tenders	31.10.2017 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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Annexure – I

Specifications for Optical Table, Passive vibration isolators and Air Compressor

1. Optical Table for Research Work

Length	=	2400 mm or more
Width	=	1200 mm or more
Thickness or height	=	300 mm or more
Mounting Holes thread	=	M6 (Metric) holes at 25 mm grid
Mounting Holes	=	Sealed to protect liquid spill
Distance from Edge to First Holes	=	12.5 mm on all sides
Screw/hole Depth	=	19 mm or more, non-corrosive material
Top Surface Flatness	=	±0.1 mm or less over 600 mm square or more
Damping	=	Broadband Damped working Surface
Top and Bottom Plates	=	4.5 to 5.0 mm thick with (integrated) damping layer
Working Surface	=	400/430 series ferromagnetic stainless steel
Maximum Dynamic Deflection Coefficient	<	1.0×10^{-3}
Maximum Relative Table Top Motion	<	2.0×10^{-7} mm
Deflection under Load (Stiffness)	<	1.5 μ m for 150 kg or more Load.

2. Passive Standard Vibration Isolators with Automatic Re-Levelling

Number of Isolators	=	Four (Passive)
Height	≈	700 mm or more
Load per Isolator	=	2000 lb or more
Self-Centring	=	Yes
Settling Time	<	2.0 s
Relevelling Accuracy	=	±0.010 in or less
Vertical Isolation	=	5 Hz to 10 Hz, 92% or more
Vertical Isolation, Resonance	≈	1 Hz
Horizontal Isolation	≈,	5 Hz to 10 Hz, 85% or more
Horizontal Isolation, Resonance	≈	1.5 Hz
Height Adjustment	≈	+1 in (Optional)
Horizontal Amplification at Resonance	≈	10 dB
Vertical Amplification at Resonance	≈	10 dB
Float Height Indicator	=	Yes
Maximum Air Pressure	=	80 to 90 psi

3. Air Compressor (Low Noise)

Tank Capacity	=	3.5 to 4.0 litres
Operating Sound Level at 1 ft.	=	30 dB or less
Maximum Air Pressure	≈	110 psi
Weight	≈	not more than 15 to 20 kg
Flow Rate at 20-80 psi	≈	0.50 to 1.0 Cubic foot per minute.
Power requirement	=	220 V (AC)

4. Warranty: (a) One year warranty under normal use for all the items.

(b) Option for three year warranty for all the items.

Installation: At designated site without charge.



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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) **Tender Cost of Rs. 500/- (non refundable) is to be paid by way of Demand Draft drawn in favor of Registrar, IIT (ISM) payable at Dhanbad. Non-submission will lead to rejection of your bid.**
- 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 App Phy 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) **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.
- 15) 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.
- 16) 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.
- 17) Any other information that you may like to obtain, you are free to contact IIT (ISM) before submission of tender.
- 18) IIT (ISM) reserves the right to accept and/or to reject any/ all tenders without assigning any reason.

Assistant Registrar



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Annexure - II

Format for Financial Bid

NIT No.: App Phy-500243-2017-18

Date: 5 October 2017

Bidders Ref. No.:

Date:

GSTIN:

Subject: Supply & Installation of Optical Table along with Vibration Isolators

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) All the details must be provided as per prescribed format only
- 2) 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
- 3) All the rates must be quoted in Indian Rupees.