



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. MME/INS/063/2018-19

Date: 22 June 2018

NOTICE INVITING TENDER

Subject: Supply & Installation of Variable Voltage Variable Frequency (VVVF) Drive

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

S No	Full Description of items/ store	Qty	Delivery
1	Supply & Installation of Supply & Installation of Variable Voltage Variable Frequency (VVVF) Drive (Detailed Specification is given in Annexure – I)	01 No.	At the Earliest /Ex-Stock

Tender Schedule

Particulars	Date & Time
Last date and time for submission of tenders	13.07.2018 at 1:00 P.M.
Date and time of opening of tenders	13.07.2018 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) Your tender must be valid for **minimum 90 days** from the date of opening of tender.
- 7) Please mention warranty/ guarantee in your offer clearly. Material/ equipment to be supplied must have minimum warranty/guarantee of **12 months**.
- 8) Each page in the bid document must be numbered properly and duly signed & sealed by the bidder on every page of the bid.
- 9) **The items/ materials shall be required to be delivered at MME Department/ Section through Purchase & Store Section, IIT (ISM) Dhanbad at the risk and cost of the tenderer.**
- 10) Unloading and installation shall be the complete responsibility of the supplier.
- 11) The stores are required to be delivered within 30 days. Late delivery may not be accepted.
- 12) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 13) **Advance payment is not admissible.** Payment shall normally be made within 30-45 days subject to receipt and acceptance & installation of the ordered materials/items PBG and other documents.
- 14) 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.
- 15) Please send your sealed 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.*
- 16) Any other information that you may like to obtain, you are free to contact IIT (ISM) before submission of tender.
- 17) 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 Specification for Variable Voltage Variable Frequency (VVVF) Drive

SPECIFICATIONS:

3-phase, 415 V, AC, 50 Hz

Drive power: 30 kW

Input Voltage: 380V – 480V, +/-10%

Overload Capacity: 10% of Nominal rated Output current

Analog Input: 1 No.

0 – 10 V dc that will be sent from controller (not in scope of supply) to control the electric motor speed (from zero to maximum) through VVVF controller.

Analog Output: 7 Nos.

0 - 10V dc that is proportional to the power input, voltage, frequency, motor speed, power factor and current

Necessary Protection Features:

- Under Voltage
- Over Voltage
- Ground Fault
- Over Current
- Motor Stall
- Over temperature

General Characteristics:

- The equipment should be suitable to drive the prime movers of the hydraulic pump of different capacities ranging from 3 kW to 30 kW. At a time one prime mover will be connected with the VVVF unit.
- The equipment should be preferably wheel mounted.
- The equipment should have the digital display of power input, voltage, frequency, speed, power factor and current as well as the corresponding proportional analogue output that should be within 0 – 10 V dc for further processing in PC (Not in scope of supply).
- The drive should have the provision of manual control (through pot) as well as auto control (through programmable micro controller which is not in scope of supply) to control the electric motor speed from zero to the rated speed

The equipment should be supplied with all accessories for its complete installation and commissioning at site.



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Annexure - II

Format for Financial Bid

NIT No.: MME/INS/063/2018-19

Date: 22 June 2018

Bidders Ref. No.:

Date:

GSTIN:

Subject: Supply & Installation of Variable Voltage Variable Frequency (VVVF) Drive

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.