

**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. W-INS- 345-18-19

Date: 21.01.2019

**NOTICE INVITING TENDER****Subject: Supply & Installation of Induction Heating and Brazing Furnace.**

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

S No	Full Description of items/ store	Qty	Delivery
1	<b>Supply &amp; Installation of Induction Heating and Brazing Furnace.</b> (Detailed Specification is given in Annexure – I )	<b>01 Set.</b>	At the Earliest

**Tender Schedule**

Particulars	Date & Time
Tender cost	Rs 590.00 (Rupees Five Hundred Ninety Only) [Please see Terms & Conditions point no. 03 ]
Earnest money deposit	Rs. 12,000.00(Rupees Twelve Thousand Only)
Last date and time for submission of tenders	<b>14.02.2019 at 3:00 P.M.</b>
Date and time of opening of tenders	<b>14.02.2019 at 4:00 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 super scribed with Enquiry No. and due date at the following address only:

***The Asst. Registrar (P&S)***  
***Indian Institute of Technology (Indian School of Mines),***  
***Dhanbad – 826 004 Jharkhand***



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## Annexure –1 'A'

### Specification of Induction Heating and Brazing Furnace

Power Supply output Power- Rated (KW)	30
At Input KVA	33
Output frequency (khz)	10
Generator input Voltage (Nominal) (Volts) three phase, 50Hz	415 ± 10%
Line power factor & efficiency	0.93 to 0.94
Output Voltage (Volts)	850
<b>General Specification</b>	
A. <b>Solid state Generator:</b> Solid state Generator conditions the incoming power suitable to operate induction forging. The incoming three- phase supply at 50 Hz is converted into DC using a bridge rectifier. The DC supply is converted to a single phase AC at required frequency using IGBT based inverter. The generator consist of DC smoothing protection circuits, a set of fault indication lamps, meters, push buttons, interconnecting bus bars, flow monitoring switch and conductivity meter for monitoring conductivity of de-ionized water. All these components are fitted into a dust proof MS cubicle.	
B. <b>Water circulation system:</b> Components of solid state generator, medium frequency capacity and interconnecting bus bars are cooled by water. Water is used for cooling various components in a close loop. Occasional make-up of this water is required.	
<b>Techno Commercial Terms &amp; Conditions.</b>	
The Vendor should have record for supply and installation of similar type induction Furnace to IIT group of Institutes.	
All components should be standard quality and should be as per IS Standards.	
The suppliers should submit <b>Compliance statement and Technical Literature</b> of their concerned products.	
The price should include Supply, Installation, Training and Taxes.	

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## Annexure – 1 'B'

### Spare Kit

Sl. No.	Item	QTY.
1	I.G.B.T.	2 Nos.
2	Diodes	3 Nos.
3	Drive Cards	2 Nos.
4	Safety Card	1 No.
5	Relays	2 Nos.
6	Capacitors	5 Nos.(Mix)
7	End Connector for coll	2 Nos.
8	Pressure Switch	1 No.
9	Thermostat	1 No.
10	Snubber	2 Nos.
11	Shunt Resistor	2 Nos.
12	Bleeder Resistor	2 Nos.

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## Terms & Conditions

- 1) The rates should be quoted for each item separately.
- 2) Conditional offer will not be accepted.
- 3) **Tender Cost:** Tender cost shall be paid through SB collect only. Tender cost is non-refundable and non-transferable. Venders/contractors/suppliers can pay the Tender Cost through the link: <https://www.onlinesbi.com/prelogin/collecthome.htm?corpID=272342> the receipt of tender cost must be attached with the Tender documents, **without receipt tender will be rejected.**
- 4) IIT (ISM) does not issue any Form 'C' or 'D' towards sales tax concessional rate. Hence, full rate of GST applicable should be quoted.
- 5) **Bid Security or Earnest money deposit (EMD):** 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. It should not be clubbed with tender cost EMD of unsuccessful bidder will be refunded only after placement of purchase order on the successful bidder.
- 6) **Educational discount,** if any, should be clearly mentioned.
- 7) You are requested to submit your quotation strictly as per the specifications mentioned in the NIT.
- 8) Your tender must be valid for **minimum 90 days** from the date of opening of tender.
- 9) Please mention warranty/ guarantee in your offer clearly. Material/ equipment to be supplied must have minimum warranty/guarantee of **01 year** from the date of installation
- 10) **Performance Security/Performance Bank Guarantee:** Performance Security has to be submitted from the successful bidder. Performance Security should be 10% of the ordered value. Performance Security may be furnished in the form of Bank Guarantee/Demand Draft from any Nationalized Bank and. Performance security should remain valid for a period of two months beyond the date of completion of all contractual obligations of the successful bidder(s). No interest will be payable by IIT (ISM) Dhanbad on the Performance Security deposited. In case the contractor fails to provide satisfactory service, the Performance Security submitted by the bidder(s) is liable to be forfeited. An undertaking to this is to be submitted.
- 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 Central Workshop Department/ 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) The stores are required to be preferably delivered within 30 days. Late delivery may not be accepted.
- 15) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 16) **Advance payment or part payment or part shipment 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 and submission of original bills/invoice, challan, installation report, warranty certificate etc, and PBG followed by it confirmation.
- 17) 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. IIT(ISM) reserves right to extend the date & time of submission/opening of the quotations.
- 18) 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). **At any circumstances by hand delivery is not acceptable.** Late or delayed tenders shall be summarily rejected.
- 19) Any other information that you may like to obtain, you are free to contact IIT (ISM) before submission of tender.
- 20) IIT (ISM) reserves the right to accept and/or to reject any/ all tenders without assigning any reason.

**Assistant Registrar**



GSTIN : 20AAAAI0686D1ZA

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**Annexure –II (A)**

**1. PRICE SCHEDULE FOR GOODS BEING OFFERED FROM ABROAD**

Name of the Bidder \_\_\_\_\_

NIT Reference No. \_\_\_\_\_

File Reference No. \_\_\_\_\_

Sl. No.	Description/Part No./Make Model	Quantity	Unit Price (in foreign currency)	Total Amount (in foreign currency)
1.				
2.				
3.				
Total Ex-Works Price-				
Packing & Forwarding and inland freight				
*FCA (at port)				
Terminal charges, loading on vassal				
**FOB (name of port)				
Air freight & insurance up to destination port				
*CIF				
Carrier charges & insurance up to final destination				
**CIP				
Concessional Custom Duty (Against DSIR Certificate)				
IGST rate (Against IIT (ISM) Certificate)				
Other Duties taxes/clearance charge, if any				
Transportation charges up to IIT ISM Dhanbad				
-Chargeable weight/Gross weight of consignment				
Indian agency Commission (%)				
Installation & Commissioning charge				
Training charges, if any				
Additional Warranty Charges, if any				
Annual Maintenance Charge, if any				
Educational discounts, if any				

**\*&\*\* Mandatory requirement**

Total Bid Price \_\_\_\_\_ in words \_\_\_\_\_

Note :

Total Bid price in foreign currency \_\_\_\_\_ in words \_\_\_\_\_

(a) Indian agent name & address \_\_\_\_\_

(b) Installation, commissioning & training charges, if any \_\_\_\_\_

(C) Please note that Indian agents' commission shall be paid in Indian Rupees only.

(d) Banker's details such as- Name of account holder, Account Number, Name of Bank, Branch code, RTGS code, NEFT code, SWIFT code etc.

(f) Price schedule of optional items shall be indicated in a separate sheet in the same performa.

**(g) Quoting Price for FOB/FCA and for CIF/CIP basis, otherwise bid will be rejected.**

(h) Wherever the price quoted on FOB/FCA and CIF/CIP basis are the same, the contract would be made on CIF/CIP basis only.

(i) Country of Origin Dimension and Gross Weight must be provided.

Signature of Bidder

Name \_\_\_\_\_

Business Address \_\_\_\_\_





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## Annexure –II (B)

### 2. PRICE SCHEDULE FOR GOODS BEING OFFERED WITHIN INDIA

Name of the Bidder\_\_\_\_\_

NIT Reference No. \_\_\_\_\_

File Reference No. \_\_\_\_\_

Sl. No.	Full Description of items with (HSN Code/SAC Code)	Quantity	Unit Price (in INR)	Total Amount (in INR)
1.				
2.				
3.				
Ex-Works Price-				
Packing & Forwarding				
Transportation				
FOR (IIT ISM) Dhanbad				
<u>GST/IGST (their rate(s) as the case may be, clearly specified)</u> <u>Please note that IIT ISM is eligible for Concessional GST as per Notification No. 45/2017-Central Tax (Rate) for CGST, 45/2017-State Tax (Rate) for SGST and 47/2017-Central Tax (Rate) for IGST.</u>				
Insurance up to Destination/handover (in case of fabrication)				
Installation & Commissioning charge				
Training charges, if any				
Additional Warranty Charges, if any				
Annual Maintenance Charge, if any				

(On the basis of the technical specifications submitted)

Total Bid Price\_\_\_\_\_ in words\_\_\_\_\_

Note:

(a) The Price schedule of optional items shall be indicated in a separate sheet in the same Performa.

(b) Cost spare parts may be indicated separately

Signature of Bidder

Name \_\_\_\_\_

Business

Address\_\_\_\_\_