**SHORT TIME TENDER**

**BIT/PUR/STT/CE/20-21//IC000481/2020 DATE:31/12/2020**

To,

**M/s. ..............................................**

Dear Sir,

Subject : Request for Quotation for Procurement TUBULAR FURNACE

You are requested to submit most competitive rates(s) for the following item(s) as per details given below (Sealed Quotations may be sent by hand or by post):

|  |  |
| --- | --- |
| Last date and time for submissions of complete Quotations by  Email to dr.[purchase@bitmesra.ac.in](mailto:purchase@bitmesra.ac.in), [purchase.sanjay@bitmesra.ac.in](mailto:purchase.rakesh@bitmesra.ac.in) sealed quotations can be submitted to the under mentioned address. | **16.01.2021 15:00 Hrs.**  ( If all LTE Vendors submit the quotation prior to the submission date, the quotations will be opened prior to last date of submission.) |

|  |  |  |
| --- | --- | --- |
| Sr.No. | Item Description | **Quantity** |
| 1 | TUBULAR FURNACE  Technical Specifications of the Equipment  TUBULAR FURNACE: High Temperature Inert atmosphere Horizontal Tubular Furnace both end open, rigid casing made of Mild steel sheet frame work painted with heat resistance paint. Heavy layers of thick insulations of efficient ceramic fibre boards are provided for preventing thermal losses. The Furnace is provided with an opening of 120mm on both sides, constant temperature zone 150mm at center and total furnace length 600 mm. Heating is achieved by silicon carbide heating elements, uniformly placed and connected with special clamps and strips to achieve continuous working temperature upto 1400 degree C. Intermittent Temperature 1450Deg C The temperature is controlled by fully automatic microprocessor based dual digital display autotuned digital PID Programmer having 2 Programs with 8 segment each thus making 16 steps for ramp and soak action., backed with SCR Power Supply and equipped with compatible PT.PT/RH "R" Type thermocouple inserted in high purity alumina twin bore sheath. Control panel box consisting of MCB Switch, Indicator lights, Ammeter, PID Programmer, Connecting cord and Plug top suitable to work on 230V AC single phase operation. Supplied with One No. high Purity Alumina Tube of 100 mm ID and total length of 1000 mm with end flanges of aluminum alloy having O rings, fly nuts and bolt with nozzles for gas purging on both sides with a port to insert your thermocouple in the tube to measure the temperature. It is also equipped with cooling coil arrangement at both the sides of tube with inlet and outlet cock with nozzles and a suitable capacity refrigerated circulating Chiller Unit is also provided with the Furnace.  Inconel reactor: Reactor for tubular furnace, made of Inconel 600 material, length 600mm, OD 60mm, ID 54mm with sensor pipe, outlet nozzles and air circulation tube. Only external threaded cap shall be of SS 316, as it remain outside the furnace.  Steam generator: Laboratory Steam Generator, double walled, inside & outside made of stainless steel and lid is also made of stainless steel with fly nut locking system and silicon gasket to seal the lid perfectly. The Instrument is fitted with automatic pressure control switch system to work at preset pressure. It is fitted with Water level indicator, Valve and funnel to fill the water without opening the lid. It is having arrangement to release steam through a valve fitted at the lid having connection size of 1/4" male threads. Inner chamber size 300mm x 350mm. Suitable to work on 220 Volts single Phase A.C. power supply.  WARRANTY: 3YRS from date of installation | **01 Nos.** |

Sealed Quotation may be submitted superscribed with reference number as appended hereunder:-

|  |
| --- |
| Quotation for Supply of ----  Ref.No. -------- **BIT/PUR/STT/CE/20-21//IC000481/2020**  To,  Dy. Registrar (Purchase)  Birla Institute of Technology From : M/s----------------------------------------  Mesra , Ranchi , Jharkhand Address : ----------------------------------------  835215 Contact No. -------------------------------------  Email ID--------------------------------------- |

GST Exemption: The Institute is partially exempted from the payment  
of GST vide GOI Notification No.45/2017-Central Tax (Rate), dated  
14.11.2017 and 47/2017-Integrated Tax (Rate), dated: 14.11.2017 the applicable IGST will be at the rate of 5%. Necessary documents (DSIR) and related certification will be provided.

1. HSN code of the material should be mentioned in quotation.
2. All entries in the quotation should be typed or computer printed without any ambiguity and should be free from correction etc. Hand written offers will be rejected.
3. Late and delayed tenders will not be considered. In case any unscheduled holiday occurs on prescribed closing date the next working day shall be the prescribed date of closing.
4. The quotation should be submitted with descriptive literature & drawing. The make of the items offered should be clearly specified.
5. Material should be confirming to our specification. The deviations if any should be clearly indicated in the quotations.
6. Successful bidder has to furnish the OEM test certificates along with the materials (if applicable).
7. Rate /Price: The offered price shall be on **FOR BIT Mesra on Door Delivery basis**.
8. If offered Price Term is other than the FOR-Destination term, approximate Freight & forwarding charges along with the applicable Insurance charges may be mentioned.
9. Details of GST registration, PAN No. should be furnished along with quotations.
10. Road Permit: The supplier shall arrange Road Permit on his own for transportation material to BIT Mesra and any additional tax liability on this account shall be borne and paid by the supplier.
11. Purchaser will not pay separately for transit insurance/taxes (if any) and the supplier will be responsible until the stores arrive in good condition at the destination.
12. Warranty: Period of warranty should be clearly mentioned and also the parts covered under it. Warranty will be applicable from the date of successful installation.
13. Service Facility: Supplier must mention about the service set up in India & confirm effective after sales service.
14. BIT Mesra is not bound to accept the lowest or any quotation for whatsoever reason and reserve its right to accept or reject in whole or in part any or all the quotations received without assigning any reason.
15. Applicable taxes shall be quoted separately for all items and levies payable by the supplier under the contract shall be included in the unit price.
16. Each bidder shall submit only one quotation and sealed quotation to be submitted / delivered at the address. (Alternatively it can be email at [purchase.sanjay@bitmesra.ac.in](mailto:purchase@bitmesra.ac.in) or dr.purchase@bitmesra.ac.in) or deliver by hand.
17. Training clause ( if any )to be mentioned.
18. Delivery period should be mentioned clearly in the quotation.
19. Conditional tenders will not be considered.
20. Authorized dealership certificate should be submitted in case principal manufacturing company is not quoting directly.
21. Customs Duty: The Institute is exempted from payment of Customs Duty Vide GOI Notification No. 51/96 Customs, dated 23.07.1996 & No.24/2007-Customs dated 01.03.2007 with registration no 11/161/90-TU-V dated 24.07.2019. Sd/-

Dy. Registrar Purchase

BIT Mesra Ranchi-835215