** INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING KURNOOL**

**Jagannathagattu, Kurnool-518008.**

Date: 22-11-2024

Sub: Invitation for quotation for procurement of Tubular Furnace - Reg.

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Indian Institute of Information Technology Design and Manufacturing Kurnool invites bids for procurement of “TUBULAR FURNACE”.

1. **Quotation submission procedure:**

The bid is to be submitted in soft copy by Email in Pdf Protected files at the following mail id – **hod\_me@iiitk.ac.in**.

No manual document will be accepted. All documents should be submitted by email Password Protected PDF File. The subject of the mail should be “Bids for procurement of TUBULAR FURNACE”. The covering mail should indicate the contact details i.e. Mobile Number of the bidder. The password will have to be revealed only on communication from IIIDMKNL mail (**hod\_me@iiitk.ac.in**) on the date & time of Opening of bid. The mail will be sent by **hod\_me@iiitk.ac.in** for password at the time of opening of bids. The bids shall be opened on 29-11-2024@11:30 AM at MED Meeting Hall, in the IIITDM Kurnool. Interested bidders may attend the opening of the bid. The bids will be opened and evaluated by the Committee appointed by Institute.

1. **Terms and conditions :**

1. The bidders need to send the Quotations by email to above mentioned emails.

2. The soft copy of the quote should be password protected. The mobile number of the signatory on the quotation should be mentioned in the email, who will be contacted for the password at the time of opening of the quotation. Passwords will not be revealed before that by the bidder.

3. Last date & time for submission of quotations is on or before **28-11-2024 at 05:00 PM**.

4. Eligibility Criteria:

1. Bidder shall have supplied same product with similar specifications to at least one CFTI. Copy of Contract/P.O. shall be submitted as proof.
2. Bidder shall submit a copy of self-attested GST Registration certificate.
3. Compliance of the Technical Specifications and terms & conditions: A self-declaration on the letterhead of the bidder stating that they comply with all the required technical specifications and the terms & conditions.
4. Bidders shall have OEM Authorization and a self-attested copy is to be attached.
5. Compliance of GFR Rule 144 (xi): The bidder shall not be from a country sharing land border with India and if the bidder is from a country sharing land border with India the bidder should have been registered with the competent authority as per orders of DIPP OM No. F. No. 6/18/2019-PPD dated 23rd July 2020, and MoCI Order No. P-45021/112/2020-PP (BE II) (E-43780) dated 24th August 2020 and subsequent amendments/orders. A declaration shall be submitted with the bid as per format given in Annexure–1.

1. **Additional Terms and conditions:** 
   1. Scope: **Supply, Installation & Commissioning**
   2. **Warranty: 1 Year \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
   3. Offer validity: **\_\_\_\_\_ days**
   4. Material to be delivered within **21** days from the day of issue of P.O. LD charges@1% per week or part thereof for delay in supply shall be applicable when Delivery Period extension is given.
   5. Prices shall be inclusive of all taxes & charges for IIITDM Kurnool.
   6. Original GST Invoice duly signed and stamped are to be submitted.
   7. Payment will be made **within 15 days** from the date of final acceptance of the material.
   8. For evaluation of offers, **total wise comparison** will be carried out.
   9. Bidders shall submit their quote considering scope and all the terms & conditions, additional charges of any kind will be paid.
   10. This bid is also governed by latest GTC issued by GeM.
2. **Format of Quotation: Bidders shall submit quotation as per given format in Annexure – 3.**

**Annexure – 1**

**(To be given on the letterhead of the bidder)**

No.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_                                                                 Dated: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**CERTIFICATE**

*(Bidders from India)*

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that Our Company/I am not from such a country.

**OR *(whichever is applicable)***

*(Bidders from a Country which shares a land border with India)*

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that I from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Name of Country) and the Company has been registered with the Competent Authority. I also certify that I fulfil all the requirements in this regard and is eligible to be considered. *(Copy/ evidence of valid registration by the Competent Authority is to be attached)*

Place:                                                                                           Signature of the Tenderer Date:                                                                                                     Name & Address of the Tenderer with Office Stamp

**Annexure – 3**

**Quotation format**

(ON letterhead of vendor)

Name of the Vendor:

GST No.:

Address:

Contact No.

Email ID:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| SI. No. | Description of the required items with specifications | Product Quoted (Make and Model along with specifications)\* | Quantity | Unit Price inclusive of GST | GST % | Total Inclusive of GST |
| 1. | Required Specifications is given in the **Annexure – 4** |  |  |  |  |  |
| Total Price (In figures): | | | | | |  |
| Total Price (In words) | | | | | | |

\* Attach a separate sheet, if required

Sign & Stamp of vendor

**Annexure – 4**

**SPECIFICATION FOR TUBULAR FURNACE 1200°C (TABLE TOP - PREMIUM)**

A. FURNACE STRUCTURE – Table Top Model

1. Shell size: ≈550 x 550 x 1000 mm
2. Useful volume: ≈ 70(ID) X 600(L) mm
3. Shell Construction:M. S.Body and M. S. Angle’s structure with proper stiffeners and neat powder coat painting
4. Insulation: High class insulation board and back up by

Mechanically pressed zirconia blend

ceramic fiber (MMTCL make).

B. WORKING TUBE:

1. Tubular material:Recrystallized Alumina (99.8%) (≈70 ID X 80 OD x 1200 L mm) (Zero porosity and withstand upto 1800° C,
2. 2. Dimensions of the tube : ≈ 70mm (ID) x 80mm (OD) x 1200mm (L)

(both the end open)

C. END FLANGES:

1. 1Fittings for controlled atm : Stainless steel (SS310) / Aluminum fittings are provided with water cooling arrangement and Whiton ‘o’ ring and suitable for vacuum and purging multiple gases
2. Port for pulling gases and : Minimum one each will be Purging gases be Provided.
3. “O” Ring Fittings : Two numbers should be fixed either side

D.HEATING SYSTEM

1. Heating elements : APM kanthal with 2mm thick
2. Make : Kanthal
3. Type of element : Solid type
4. Hot zone length : 230mm (minimum)
5. Furnace Operation : SINGLE PHASE / AC
6. Power :4 kW
7. Maximum temperature :1200°C
8. Working temperature : 1200°C (For continuous operation)
9. Heating Rate : 10C to 100C
10. Electrical line requirement : 32A – MCB (single phase with neutral) has to arrange by the customer

E. CONTROL SYSTEM

1. Temperature control : TAIE (8x18=144 segment) PID programmer cum Digital Temperature controller cum Indicator (Imported)
2. Temperature sensor : K – type thermocouple
3. Accuracy : ±1°C
4. Power control : (Through the phase angle controlled thyrister

(Thyrister block imported from SEMIKRON, ITALY)

1. Indications : a) Ammeter b) Mains Indicator c) Output Indicator
2. Control switches : Mains on, out put on
3. Safety : Input, output fuses