# Bhagalpur College of Engineering Bhagalpur

## Inviting tender for Tubular Furnace for the Research Laboratory

**Sub: Invitation Letter for Submission of Tender for Tubular FurnaceunderCRS project**
**ID: 1-5764067034**

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

| Sr. No | Item Name | Quantity | Place of Delivery | Installation Requirement (if any) |
|---|---|---|---|---|
| 1 | **Tubular Furance** | 1 | Bhagalpur College of Enginerring, NH-80, PO-Sabour, Bhagalpur- 813210 | Yes |

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project. Through TEQIP Programme, Several Collaborative Research Scheme (CRS), projects were offered. Under CRS project the supply of equipment's are needed for its intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. **Quotation**

3.1 The contract shall be for the full quantity as described above.

3.2 Corrections, if any, shall be made by crossing out, initialling, dating and re writing.

3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit Price.

3.4 Applicable taxes shall be quoted separately for all items.

3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

3.6 The Prices should be quoted in Indian Rupees only.

4. **Bidder**

4.1 Each bidder shall submit only one quotation.

4.2 The Bidder shall be a registered legal entity in India(Submit the registration certificate)

4.3 The bidder should have suppliedsimilar equipment's for synthesis to Government Technical Institute in the last 5 financial years as envisaged in this tender.(submit self

23/10/19

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attested copies of purchase orders and satisfactory completion by the respective Govt. Technical Institutes)

4.4 The bidder shall provide self certification for non-engagement in fraudulent corrupt practices, non-blacklisting in any Govt./PSU in last three financial years.

5. **It is a single bid system. Bidders shall submit only one bid, mentioning both technical and price in single quotation letter**. Also the address of the firm submitting the bid and the officer, to whom the tender is addressed, must appear distinctly on the envelop of bid.

6. In the part relating to bid, the bidder must provide the followings:-

6.1 Details of the technical features to be offered equipment via-a-via specifications per Annexure-1.

6.2 Standard Technical Literature on each of the items offered.

6.3 Authorization certificate on the offered products from OEM in case of distributor/ dealer

6.4 List of Government Institutions, where similar orders have been executed (copies of the purchase/work orders and their satisfactory completion certificate will have to be enclosed)

6.5 Up-to-date Sales Tax clearance certificate (for vendors outside the State of Bihar)/VAT registration certificate indicating also the TIN number (for vendors from within the State of Bihar) of the FIRM will have to accompany the tender to be submitted;

6.6 Copy of PAN of FIRM / Bidder must be submitted along with the Bid.

6.7 Details of nature and maximum period of Warranty offered by the Bidder.

6.8 Quantity, basic price (against item-wise details of specifications of each of the offered items);

6.9 Prices of each of the optional accessories, as required by specifications and may be relevant for offered Equipment, will have to be specifically stated in the quotation.

6.10 Central / Sales Tax/ VAT (as percentage of basic price + packing & forwarding charges if any)

7. Quotation shall remain valid for a period not less than **50days** after the last date of quotation submission.

8. **Evaluation of Quotations:** The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which

8.1 are properly signed; and

8.2 Confirm to the terms and conditions, and specifications.

9. The Quotations would be evaluated for all items together subject to the condition that the cost of individual items should not be greater than the approved amount in the CRS Project by TEQIP.

10. **Award of contract**: The Purchaser will award the contract to the bidder whose quotation has been

23/10/19

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determined to be substantially responsive and who has offered the lowest evaluated quotation price.

10.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of Contract.

10.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be Incorporated in the purchase order.

**11.** Payment shall be made in Indian Rupees as follows:

**Delivery and Installation - 90% of total cost**

**Satisfactory Acceptance - 10% of total cost**

**12.** Liquidated Damages will be applied as per the below:

Liquidated Damages Per Day Min % :0.01

Liquidated Damages Max % : 10

**13.** All supplied items are under warranty of **24** months from the date of successful acceptance of items and AMC/Others is **NA.**

**14.** You are requested to provide your offer latest within 15 days from the date of publication of this document on the Bhagalpur College of Engineering website.

**15.** Detailed specifications of the items are at Annexure I.

**16.** Training Clause (if any) **The supplier shall impart training to the designated authority nominated by the HoD**

**17.** Testing/Installation Clause (if any) **The supplier shall install, commisssion and do the functional testing of the equipment supplied**

**18.** Performance Security shall be applicable**: Nil %**

**19.** Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.

**20.** Sealed quotation to be submitted/ delivered at the address mentioned below,**TEQIP office, Main Building,Bhagalpur College of Engineering, Sabour, Bhagalpur-813210.**

**21.** We look forward to receiving your quotation and thank you for your interest in this project.

23/10/2019

**Principal**

**BCE Bhagalpur**

Principal
Bhagalpur College of Engineering
Bhagalpur

23/10/19

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**Annexure I**

| Sr. No | Item Name | Specifications |
|---|---|---|
| 1 | **Tubular Furnace** | Maximum temp.: 1400°C, Working temp.: 14000°C, Temp Accuracy: ±1°C, Heating Elements: Silicon Carbide, Coil type with endconnection, easily replaceable. Inner Chamber: Ceramic Refractory / Board with heatingelements placed on the top & bottom, Insulation: Ceramic Fibre., Construction: Tripple walled with air insulation on theouter side For Minimal Skin Temp., Body: Made of mild steel duly Powder Coated. Tube Material: Alumina (optional – Quartz), Tube Size: Inner Dia. = 75 mm / Hot Zone length = 200 mm/ Overall length = 600 mm With Inner Diaupto 100mm (max.) and Overall Lengthupto 1000mm (max.), Gas Purging: Ends of the tube have Aluminium couplerswith cooling attachment for purging of gases, Power Control: SCR unit (Phase Angle Thyristor), Temp. Control: Microprocessor based PID Digital Set PointController.Dual Display of Set & Actual temp. With soft touch keys.With Thermocouple break protection & Cold junctioncompensation.CE mark to meet EMC regulations. Sensor: Pt / Pt – Rh 13 % Safety: Over current and Short Circuit Protection.Thermocouple break alarmHigh Temp. Alarm Power Supply: 220 Volts, single phase AC supply.<br>Accessories:-<br>(1) Quartz Tube with Couplers and Alumina 99 %Tube with Couplers easily compatible with furnace along with O-rings (2) pair extra O-rings to also be provided) (3) Vacuum Pump Capacity 200 Ltrs Per Min (4) Water Circulating Chiller 10 Ltrs Per Min (5) Gas Flow Meter Flow Range upto 50 to 500 cc (for Argon & Nitrogen), MFC With Digital Display Flow Range upto 500 cc |

23/10/19

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