

## INVITATION FOR QUOTATION

TEQIP-II/2015/CH1G02/Shopping/99

21-Aug-2015

To,

### Sub: Invitation for Quotations for supply of Goods

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	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	COMPUTER CONTROLLED - HEAT TRANSFER FROM A PIN-FIN (With Data Logging Facility)	1	40 days	Dr SS Bhatnagar University Institute of Chemical Engg and Tech, Panjab University, Chandigarh	Will be done at the site
2	COMPUTER CONTROLLED - HEAT TRANSFER IN AGITATED VESSEL (With Data Logging Facility)	1	40 days	Dr SS Bhatnagar University Institute of Chemical Engg and Tech, Panjab University, Chandigarh	Will be done at the site
3	COMPUTER CONTROLLED - SHELL & TUBE HEAT EXCHANGER (With Data	1	40 days	Dr SS Bhatnagar University Institute of Chemical Engg	Will be done at the site

	Logging Facility)			and Tech, Panjab University, Chandigarh	
4	COMPUTER CONTROLLED - HEAT TRANSFER THROUGH LAGGED PIPE (With Data Logging Facility)	1	40 days	Dr SS Bhatnagar University Institute of Chemical Engg and Tech, Panjab University, Chandigarh	Will be done at the site

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 II** Project and 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, initialing, 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. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **55** days after the last date of quotation submission.
6. Evaluation of Quotations,
 

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

  - 6.1 are properly signed ; and

6.2 confirm to the terms and conditions, and specifications.

7. The Quotations would be evaluated for all items together.

8. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

8.1 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.

8.2 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.

9. Payment shall be made in Indian Rupees as follows:

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

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

10. All supplied items are under warranty of **36** months from the date of successful acceptance of items.

11. You are requested to provide your offer latest by **02:30** hours on **15-Sep-2015** .

12. Detailed specifications of the items are at Annexure I.

13. Training Clause (if any) **The bidder will provide training of the specified equipment at the time of installation without any additional cost.**

14. Testing/Installation Clause (if any) **The bidder will install the equipment's at the specified site without any additional cost.**

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

16. Sealed quotation with proper **TEQIP quotation number** written on the envelope which is to be submitted/ delivered at the address mentioned below,

**The Chairperson,**

**TEQIP-II,**

**Dr.S.S.Bhatnagar University Institute of Chemical Engineering and Technology,**

**Panjab University,**

**Chandigarh – 160 014**

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

(Authorized Signatory)

Name & Designation

Sr. No	Item Name	Specifications
1	COMPUTER CONTROLLED - HEAT TRANSFER FROM A PIN-FIN (With Data Logging Facility)	<p>Fin: Pin type. Material: Brass. Size: 12.5 mm (approx.) 15 cm. long (approx.). Duct : Made of MS. Fan: Standard make. Heater :Band type, Nichrome Wire. Heating Control: Special arrangement to control heat input Air flow measurement : By air flow sensor Control panel comprising of: Dimmerstat: 0-230 V, 2 Amp. Temperature Measurement: By temperature transmitter, Output 4-20 mA -8Nos. With standard make On/Off switch, Mains Indicator etc. Computer System: Pentium IV with DVD Drive, Windows 7, MS-Office pre-loaded, DATA ACQUISITION CARD.</p>
2	COMPUTER CONTROLLED - HEAT TRANSFER IN AGITATED VESSEL (With Data Logging Facility)	<p>System: Steam to Water Vessel: Material stainless steel fitted with 4 baffles Dia. 250, Depth 350 mm (Approx.) Jacket: Width 25 mm. Insulated with ceramic wool and clad with aluminum foil. Helical Coil: Material Copper, OD 16mm, ID 13mm. Agitator: Stainless steel Impeller fitted on a shaft coupled to a variable speed motor and Drive. Condensate Measurement: Measuring Cylinder &amp; Stopwatch Water Flow Measurement: By flow sensor Steam Generator: Material stainless steel fitted with level indicator, pressure Gauge, safety valve, drain and insulated with ceramic wool &amp; cladding with Aluminium foil. Heaters: Nichrome wire heater (2 Nos.) Heating Control: Special arrangement to control heat input Control panel comprising of: Digital Temp. Controller: PID Controller, 0-199.9°C (For Steam Generator) Temperature Measurement: By Temperature transmitter, Output 4-20 mA -5Nos. RPM Indicator: Standard make Digital, Non Contact type. With standard make On/Off switch, Mains Indicator etc. Computer System: Pentium IV with DVD Drive, Windows 7, MS-Office pre-loaded, DATA ACQUISITION CARD.</p>

3	COMPUTER CONTROLLED - SHELL & TUBE HEAT EXCHANGER (With Data Logging Facility)	<p>System: Water to Water. (1 – 2 shell &amp; tube type) Shell: Material Stainless steel. Insulated with ceramic wool and clad with aluminium foil. Dia. 220 mm, Length 500 mm (Approx.) 25% cut baffles at 100 mm distance 4 Nos. Tube: OD 16mm approx., Length 500mm (24 Nos.) Water Flow Measurement: By flow sensors (2Nos.) one each for cold &amp; hot fluid. Hot Water Tank: Made of Stainless steel (Insulated with ceramic fibre wool) Hot Water Circulation : Magnetic Pump Heaters: Nichrome wire heater (2 Nos.) Heating control: Special arrangement to control heat input Control panel comprising of: Digital Temp. Controller: PID Controller, 0-199.9°C, (For Hot Water Tank) Temperature Measurement: By Temperature transmitter, Output 4-20 mA - 4Nos. With Standard make On/Off switch, Mains Indicator etc. Computer System: Pentium IV with DVD Drive, Windows 7, MS-Office pre-loaded, DATA ACQUISITION CARD.</p>
4	COMPUTER CONTROLLED - HEAT TRANSFER THROUGH LAGGED PIPE (With Data Logging Facility)	<p>G.I. Pipe Inner: 5 cm dia. Approx. G.I. pipe middle: 10 cm dia. Approx. G.I. Pipe outer : 15 cm dia. Approx. Length of Pipes: 60 cm Approx. Heater: Nichrome Wire Heating control: Special arrangement to control heat input Control panel comprising of: Digital Voltmeter: 0-300 Volt. Digital Ammeter: 0-2 Amp. Variac: 0-230 V, 2 Amp, Temperature Measurement : By Temperature transmitter, Output 4-20 mA - 6Nos. With standard make On/Off switch, Mains Indicator etc. An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus The whole set-up is well designed and arranged on a rigid structure painted with industrial PU Paint. Computer System: Pentium IV with DVD Drive, Windows 7, MS-Office pre-loaded, DATA ACQUISITION CARD.</p>

### FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: \_\_\_\_\_

To:

\_\_\_\_\_  
\_\_\_\_\_

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs.  (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. \_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. ————— (Amount in figures) (Rupees —————amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of ————— months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact No: \_\_\_\_\_