



INVITATION LETTER

Package Code: TEQIP-III/2019/nitt/158

Current Date: 28-Nov-2019

Package Name: : Interacting and Non Interacting Systems

Method: Shopping Goods

To,

Sub: INVITATION LETTER FOR INTERACTING AND NON INTERACTING SYSTEMS

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,

S.No	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Interacting and Non Interacting Systems	1	Department of Chemical Engineering , NIT Trichy 620015.	Yes.

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 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, 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. Each bidder shall submit only one quotation.

5. Quotation shall remain valid for a period not less than **60** days after the last date of quotation submission.

GST 5%-as per column ((4) II under notification no.45/2017 Central Tax- (Rate), Date. 14.11.2017 Notification no.46/2017 integrated Tax – (Rate), Date. 14.11.2017.

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:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery & Installation and Satisfactory Acceptance	60	100

10. Liquidated Damages will be applied as per the below:

Liquidated Damages Per Day Min %: N/A

Liquidated Damages Max %: N/A

11. All supplied items are under warranty of **12** months from the date of successful acceptance of items and AMC/Others is **No**.

12. You are requested to provide your offer latest by **15:00** hours on **18-Dec-2019**. **Opening time :-18 December 2019 16.00 hours at TEQIP Office, Administrative Building, NIT Trichy.**

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

14. Training Clause (if any) **one Day Training And Demo**

15. Testing/Installation Clause (if any) **Installation at Department of Chemical Engineering, NIT Trichy.**

16. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating

the model quoted for.

17. Sealed quotation to be submitted/ delivered at the address mentioned below, **Head of the Department, Department of Chemical Engineering, National institute of technology, Tiruchirappalli, Tamil Nadu- 620015.**

Kind Attn: Dr. N. Samsudeen, Department of Chemical Engineering, National institute of technology, Tiruchirappalli, Tamil Nadu- 620015

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

Note : The cover should be duly superscribed

(1) Quotation Reference Number

(2) Quotation for the Supply of _ _ _ _ _

(3) Date of opening _ _ _ _ _

(Dr.K.M.MEERA SHERIFFA BEGUM)
HoD/Chemical. Engg

Annexure I

Sr. No	Item Name	Specifications												
1	Interacting and Non interacting system	<p>INTERACTING & NON-INTERACTING SYSTEM</p> <p>The experimental setup consists of supply tank, pump for water circulation, rotameter for flow measurement, transparent tanks with graduated scales, which can be connected, in interacting and non-interacting mode. The components are assembled on frame to form table top mounting. The set up to study dynamic response of single and multi-capacity processes when connected in interacting and non-interacting mode.</p> <p>Range of Experiments</p> <ul style="list-style-type: none"> ➤ Step response of single capacity system. ➤ Step response of first order systems arranged in non-interacting mode. ➤ Impulse response of first order systems arranged in non-interacting mode. ➤ Step response of first order systems arranged in interacting mode. ➤ Impulse response of first order systems arranged in non-interacting mode <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Specifications</th> <th></th> </tr> </thead> <tbody> <tr> <td>Rotameter</td> <td>10 to 100 LPH</td> </tr> <tr> <td>Process tank</td> <td>Acrylic, Cylindrical, Inside Dia. 92mm with graduated scale in mm. (3 Nos)</td> </tr> <tr> <td>Supply tank and its capacity</td> <td>SS304 & 10 Lit. and above</td> </tr> <tr> <td>Pump</td> <td>Fractional horse power, type submersible</td> </tr> <tr> <td>Overall dimensions</td> <td>550Wx475Dx520H mm</td> </tr> </tbody> </table>	Specifications		Rotameter	10 to 100 LPH	Process tank	Acrylic, Cylindrical, Inside Dia. 92mm with graduated scale in mm. (3 Nos)	Supply tank and its capacity	SS304 & 10 Lit. and above	Pump	Fractional horse power, type submersible	Overall dimensions	550Wx475Dx520H mm
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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. _____