

INVITATION FOR QUOTATION

TEQIP-III/2018/mmug/Shopping/23

04-July-2018

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	Agitated Jacketed Vessel	1	60	Madan Mohan Malaviya University of Technology Gorakhpur, Uttar Pradesh-273010	NA
2	Equipment for Forced Convection	1	60	Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh-273010	NA
3	Equipment for Heat Transfer in Boiling	1	60	Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh-273010	NA
4	Equipment for Heat	1	60	Madan Mohan	NA

	Transfer Through Composite Wall			Malaviya University of Technology, Gorakhpur, Uttar Pradesh-273010	
5	Equipments for natural convection	1	60	Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh-273010	NA
6	Parallel Flow/Counter Flow Heat Exchanger	1	60	Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh-273010	NA
7	Shell and Tube Heat Exchanger	1	60	Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh-273010	NA
8	Wise and Film Wise Condensation	1	60	Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh-273010	NA

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 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 **45** 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 - 80% of total cost
Satisfactory Acceptance - 20% of total cost

10. All supplied items are under warranty of **12** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **15:00** hours on **8-August-2018**.
12. Detailed specifications of the items are at Annexure I.
- 13. Training Clause (if any) Demonstration and Training of all Equipment is necessary at our site**
14. Testing/Installation Clause (if any) **Successful installation & Testing of equipment is must**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
- 16. Certificates of manufactures/authorized dealers/agents must be attached with the quotation.**
- 17. Copy/List of purchase orders of similar equipment/goods supplied to other reputed organizations should be attached with the quotations in support of quoted rates.**
18. Sealed quotation to be submitted/ delivered at the address mentioned below,
The Registrar, M. M. M. University of Technology, Deoria Road, Gorakhpur – 273010
17. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

Annexure I

Sr. No	Item Name	Specifications
1	Agitated Jacketed Vessel	Heat Transfer in Agitated Jacketed Vessel with accessories- Vessel- Insulated stainless steel, Baffles: 4-6, Diameter- 200-300 mm, Depth- 300-400 mm. Jacket- Width 20-30 mm, Helical Coil: Material- Copper, OD- 14-18 mm, ID- 10-16 mm. Agitator: Stainless steel Impeller fitted on shaft coupled to a variable Speed motor and Drive, Condensate Measurement: Measuring Cylinder & Stopwatch, Water Flow sensor for flow rate measurement, Steam Generator: stainless steel material fitted with level indicator, pressure Gauge, safety valve, Heaters: Nichrome wire heater (2 Nos.), Microprocessor based data acquisition using both manual as well as computer display, RTD Temperature sensor with transmitter output, Digital LCD display for all temperature sensors. Temp. Sensors: RTD PT-100 type. RPM Indicator: Standard makes Digital, Non-Contact type.
2	Equipment for Forced Convection	25-35 mm, Length- 350-450 mm, Blower- FHP of Standard makes, Heater wire- Nichrome, Air Flow measurement- Orifice meter & Manometer, Microprocessor based data acquisition using both manual as well as computer display, RTD Temperature sensor with transmitter output, Heater intensity controlled by computer and manual mode both, Digital LCD display for all temperature sensors, Temp. Sensors: RTD PT-100 type, with standard make on off switch.
3	Equipment for Heat Transfer in Boiling	Cylinder: 275-325 mm x 70-80 mm O.D. approximately fitted with Sealed caps with pressure gauge and relief valve, Pressure gauge: Bourdan type - (0-2) kg/cm ² , Water Flow Measurement: Rotameter - (10 – 100 LPH), Microprocessor based data acquisition using both manual as well as computer display. RTD Temperature sensor with transmitter output, input 24 V Heater intensity controlled by computer and manual mode both. Digital LCD display for all temperature sensors, Temp Sensors: RTD PT-100 type, Provision for high pressure cutout for heater is also provided.
4	Equipment for Heat	Heat Transfer Through Composite Wall with accessories-Slab

	Transfer Through Composite Wall	Material: Cast Iron- 200-300 mm diameter, 25-25 mm thick, Bakelite- 200-300 mm dia. & 10-20 mm thick, Press Wood- 200-300 mm dia. & 10-15 mm thick, Heater: Nichrome wire, Microprocessor based data acquisition using both manual as well as computer display, RTD Temperature sensor with transmitter output, Digital LCD display for all temperature sensors, Temp. Sensors: RTD PT-100 type, Cabinet to accommodate the slab assembly with front window of glass/acrylic.
5	Equipments for natural convection	Diameter-32- 44 mm, Length- 450-550 mm, Heater Wire- Nichrome, Microprocessor based data acquisition using both manual as well as computer display, RTD Temperature sensor with transmitter output, Heater intensity controlled by computer and manual mode both, Digital LCD display for all temperature sensors, Temp. Sensors: RTD PT-100 type, With standard make On/Off switch, Powder coated duct of MS to accommodate the assembly with front window of Acrylic.
6	Parallel Flow/Counter Flow Heat Exchanger	System- Water to Water, concentric tube type, Heat Exchanger: Length 1.5-1.7 m, Ceramic insulation for heat loss minimization, Outer Tube: Material Stainless steel. ID- 25-30 mm, OD- 30-36 mm, Inner Tube: Material Stainless Steel, OD- 10-15 mm, Water Flow sensor: one each for cold & hot fluid, Hot Water Tank: insulated Stainless steel, Hot Water Circulation: Magnetic Pump, Heaters: Nichrome wire heater (2Nos), Microprocessor based data acquisition using both manual as well as computer display, RTD Temperature sensor with transmitter output, Heater intensity controlled by computer and manual mode both, Digital LCD display for all temperature sensors.
7	Shell and Tube Heat Exchanger	Shell- Insulated Stainless steel, Diameter- 200-240 mm, Length- 450- 550 mm. Orifice baffles, Baffles distance- 80-110 mm, Tube- OD- 14-18 mm, Length 450-550 mm, Triangular pitch, Water Flow sensor: one each for cold & hot fluid, Insulated Hot Water Tank- Stainless steel, Heaters: Nichrome wire heater (2 Nos.), Microprocessor based data acquisition using both manual as well as computer display, RTD Temperature sensor with transmitter output, Heater intensity controlled by computer and manual mode both, Digital LCD display for all temperature sensors, Temp

		Sensors- RTD PT-100 type.
8	Wise and Film Wise Condensation	<p>Steam Generator: Capacity- 6-10 Ltrs, Material- Insulated Stainless steel with 1.5 kW heater, Pressure Gauge: Bourdon type, Tubes: Copper tubes (2 Nos.)- one with natural finish and other nickel polished. Diameter- 15-24 mm, Length- 150-190 mm, Water Flow measurement: Rotameter, Condensate Measurement: Measuring Cylinder & Stopwatch, Control valves: in each line (Steam, Cooling water & Drain). Microprocessor based data acquisition using both manual as well as computer display, RTD Temperature sensor with transmitter output, Heater intensity controlled by computer and manual mode both, Analog pressure transmitter, Digital LCD display for all temperature sensors. Temp. Sensors: RTD PT-100 type.</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: _____