



College of Engineering Pune,
Wellesely Rd, Shivajinagar, Pune-411 005. Maharashtra, INDIA.

INVITATION LETTER

Package Code: TEQIP-III/2019/MH/coep/74

Current Date: 23-Sep-2019

Package Name: CIVIL-2a

Method: Shopping Goods

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	Item Name	Quantity	Delivery Period(In Days)	Place of Delivery	Installation Requirement (if any)
1	Combined Set-up for Surface Free Energy Measurement	1	45	Civil Engineering, College of Engineering Pune.	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 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 **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:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery & Installation	45	90
Satisfactory Acceptance	45	10

10. Liquidated Damages will be applied as per the below:
 Liquidated Damages Per Day Min %:0.01
 Liquidated Damages Max %:10

11. All supplied items are under warranty of **36** months from the date of successful acceptance of items and AMC/Others is **Yes**.
12. You are requested to provide your offer latest by **12:00**hours on **09-Oct-2019**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any) **Yes**
15. Testing/Installation Clause (if any) **Yes**
16. Performance Security shall be applicable: **0%**
17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
18. Sealed quotation to be submitted/ delivered at the address mentioned below, **College of Engineering Pune, College of Engg. Pune, Wellesely Rd, Shivajinagar, Pune-411 005. Maharashtra, INDIA.**
19. 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	Combined Set-up for Surface Free Energy Measurement	<p data-bbox="560 421 799 450">Rotary evaporator:</p> <ul data-bbox="608 495 1318 1149" style="list-style-type: none">• Manual control of heating bath, vacuum pump, chiller and drive rotation speed• DC brushless motor drive with speed range of 20-280 rpm• 1500 sqcm or larger cooling surface area for better recovery rate• Manual lift with safety stop function• Heating temperature range of RT to 180°C for water and oil bath application• Bath capacity of 4 litres or more; bath with lower volume heat faster, saves time and energy• Heating bath can accommodate up to 3 litres of evaporation and receiving flask• Heating bath should have heat control accuracy of ± 1 K or less• Safety temperature circuit and Dry Run protection of heating bath• Locking function of heating bath for avoiding accidental changes of settings• Heating bath can be used as standalone unit for different applications <p data-bbox="560 1189 655 1218">Chiller:</p> <ul data-bbox="608 1263 1134 1709" style="list-style-type: none">• Temp. Range : -20 to 100°C• Bath capacity : 5 litres or More• Heater : 1000 watt• Flow Rate (Max.) : More than 11 lit / min• Temperature Accuracy : ± 0.1°C• Refrigerant : CFC free• Cooling Capacity @20°C: 300 watt• Bath Material: Tank - S. S.• Outer Body Powder Coated M.S.• Microprocessor PID Controller• Digital Display• Built in pump• alarm for sensor break• Set for external circulation <p data-bbox="560 1749 756 1778">Vacuum Pump:</p> <ul data-bbox="608 1823 1318 2031" style="list-style-type: none">• Integrated vacuum controller for controlling process parameters and removable display• Speed controlled vacuum pump with Manual and Automatic mode and cleaning function• Speed of vacuum pump should be adjustable with digital display.• Vacuum pump should have suction capacity of 1.3m³/h

		<p>or more and ultimate vacuum level up to 7 mBar or less</p> <ul style="list-style-type: none"> • Vacuum pump should have auto-cleaning function and should come with mechanical silencer. • Vacuum pump should display speed of the pump. • For safety must have downstream vacuum safety emission condenser supplied with vacuum pump. <p>Specifications of Contact Angle Instrument:</p> <ul style="list-style-type: none"> • Contact angle measuring range- 0°-180° • Contact angle accuracy - $\pm 0.1^\circ$ • Zoom – min 5x • Resolution : 640 x480 • Exact drop volume calculator • Calculation type – automatic • PC required • PC connectivity- USB 2/3 • Camera speed- 70 fps • Surface tension of liquid calculation, work of adhesion and cohesion calculation by sessile drop method and pendant drop method. • PC controlled auto dispensing module with interface control module. • Surface free energy calculation of solid substrates by different methods like contact angle <ol style="list-style-type: none"> 1) Girifalco –Goods-Fowkes –Young (GGFY) 2) Contact angle Hysteresis Method 3) Zisman Method 4) Wu Harmonic mean 5) Owens /Wendt Geometric Mean Lewis Acid / Base method.
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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. _____