INVITATION FOR QUOTATION

TEQIP-III/2018/mecj/Shopping/45 **24-Nov-2018**

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	BET SURFACE ANALYZER	1	45	Department of Chemical Engineering, MBM Engineering College, Residency Road, Ratanada, Jodhpur, Rajasthan, 342011	Installation shall be undertaken at a site as directed by department.
2	Gas Cylinders and Regulators	3	45	Department of Chemical Engineering, MBM Engineering College, Residency Road, Ratanada, Jodhpur, Rajasthan, 342011	Installation shall be undertaken at a site as directed by department.
3	PC interface,Data analysis and softwarefeatures	1	45	Department of Chemical Engineering, MBM Engineering College, Residency Road,	Installation shall be undertaken at a site as directed by department.

				Ratanada, Jodhpur, Rajasthan, 342011	

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 **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 - 0% of total cost

   Satisfactory Acceptance - 100% 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 **11:00** hours on **15-Jan-2019 .**
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **As per need two times on site training shall also be made available.**
14. Testing/Installation Clause (if any) **Satisfactory testing and Installation is required at site.**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,

    TEQIP-III Office, Department of Computer Science & Engineering, M.B.M. Engineering College, Residency Road, Ratanada, Jodhpur.
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	BET SURFACE ANALYZER	1. a) Surface Area: The unit should have the capability of carrying out physisorption of various gases and should have features to measure the adsorption / desorption isotherms, surface area (langmuir, BET), pore size, pore volume and micro pore distribution. It should have at least TWO sample analysis stations. The system should be capable of measuring surfacearea in the range of 0.01 m2/g to no known upper limit(nitrogen) and 0.0005 m2/g to no known upper limit(krypton) b) Pore Diameter: The system should be capable of measuring pore diameter in the range of 3.5-5000 A and micropore volume detectable within the range of 0.0001 cc/g or lesser. c) Analysis Station: The system should have minimum TWO analysis stations. Analysis stations should have micropore and mesopore analysis facility with P/Po ratio 10-7 or better and should have capability to work in between -10 to 100 Deg C by using external recirculating chiller/waterbath. Analysis and Degassing stations should be separate and it should work simultaneously and independently. Accuracy should of 0.2% of the transducer reading or better. High resolution micropore analysis using N2 and CO2 gas should be possible. d) Dewar Flask: The system should be supplied with 80+ hour dewar, for ultra-long Measurements. The dewar should be refillable without affecting the accuracy of the analysis results.30 Liter or more Nitrogen Dewar with handling accessories e) Coolant Level Control: The system should have highly accurate automatic coolant control with level controller to minimize the cold free space, i.e., within 4-5 cm of base of lowest portion of sample cell for enhanced sensitivityor equivalent. f) Po Station: The system reference pressure Po station should be served by its own dedicated 1000 mm Hg transducer to constantly monitor saturation pressure without interrupting pressure readings at the sample station. The pressure transducer should have an accuracy of 0.1% FS or

		better. g) Pressure Transducers: The system should be equipped with pressure transducers in 1000 mm Hg, 10 mm Hg and 0.1 mm Hg on both analysis stations. Transducer accuracy: (1) 0-1000 mm Hg: 0.12% of reading or better, (2) 0-10 mm Hg: 0.15% of reading or better, (3) 0-0.1 mm Hg: 0.15% of reading or better. h) Analysis Capability: The system should have facility for, Isotherms: Up to 1000 data points (per station), adsorption and/or desorption. Hysteresis scanning. Surface Area: BET, Langmuir, STSA, DFT, BJH Micropores: NLDFT, QSDFT, Monte-Carlo, t-plot, alphas method, MP method, DR & DA methods. Mesopores: NLDFT, BJH, DH; also it should have Total pore volume and average pore size. Automatic BETpoint or for microporous materials. i) Degassing Facility: At least TWO or more built-in vacuum degassing stations or in-situ degassing under High vacuum prior to analysis; each consisting of sample port, heating mantle with over-temperature protection, PC programmable ramp / hold / test protocols. Degas ports should be served by the dry turbo vacuum system, and a dedicated cold trap. Temperature range ambient to 350 °C. Temperature accuracy ± 1% of set point at thermocouple or better. j) Standards: Suitable performance evaluation standard for Surface Area and Micropore should be included in the offer.
2	Gas Cylinders and Regulators	Gas cylinders must be 99.999% Ultra High Purity with two stage gas regulators and purifiers. Nitrogen, Helium, and CO2 should be supplied.
3	PC interface,Data analysis and softwarefeatures	The system should be controlled through windows based software Provided with i7 processor computer. Features for creation of methods for measuring the adsorption/desorption isotherms. The software should have all the data handling features like user defined report generation, data/figures export to spread sheets, offline data processing, etc.

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: _____