

**CENTRE FOR POLYMER SCIENCE AND ENGINEERING**

**INDIAN INSTITUTE OF TECHNOLOGY, DELHI**

**HAUZ KHAS, NEWDELHI-110016**

7-2-2012

***NOTICE INVITING QUOTATIONS***

**Sub: Purchase of Rotary Evaporator with Diaphragm Pump**

Sealed quotations in separate envelopes of technical and commercial bids kept in one sealed outer envelope are invited for purchase of a Rotary Evaporator with a Diaphragm Pump as per specifications below. Your sealed quotation should reach latest by 5 pm on 23<sup>rd</sup> February, 2012 to Dr. Josemon Jacob, Centre for Polymer Science and Engineering, Indian Institute of Technology, Hauz Khas, New Delhi-110016. Your quotation should be superscribed "Purchase of Rotary Evaporator with Diaphragm Pump due 23<sup>rd</sup> Feb 2012".

**Specifications for Rotavapor**

Motorized lift with provision for automatic lifting of the flask in case of power failure.

Rotation speed upto 270 rpm or better with microprocessor control.

Digital bath temperature display of both set and actual temperature with microprocessor control ranging from ambient to 180 °C with an accuracy of  $\pm 2$  °C.

Capable of using evaporating flask from 50-3000 mL on the same joint adapter without additional connections (1 Litre evaporating and receiving flask should be provided).

All glass components should be made of borosilicate 3.3 glass.

**Specifications for Vacuum Controller**

Modular vacuum controller with control knob and large graphic display screen

Speed control for vacuum pump

Measuring range: 1400-0 mbar

Control range: 1100-1 mbar

Integrated aeration valve and precision pressure sensor.

All controls for the rotavapor eg. Lifting/lowering of the evaporating flask, rotation start/stop should be controlled via the vacuum controller

## **Specifications for for Vacuum Pump**

Single stroke speed control vacuum pump with a flow rate of 1.8 m<sup>3</sup>/h or better.

Ultimate vacuum-less than 10 mbar

2 stage diaphragm made of PTFE

The equipment should be provided with all necessary accessories and spare parts for a fully functional unit. List of consumables and spare parts along with operation and service manuals should be provided along with the instrument.

## **Terms and Conditions**

1. The quotation must have validity of atleast three months.
2. Quotation must include insurance and air-freight charges, delivery period of the items addresses to “The Indian Institute of Technology, Delhi, India (CIF, New Delhi)”. Rate should be inclusive of installation and training.
3. The product will be used for educational purposes. Any applicable academic institution discounts should be offered and stated. Detailed brochures should accompany the offer.
4. If the bidder is an authorized dealer, then the authorized Indian dealership certificate from the principles should be enclosed.
5. Please indicate the warranty also.
6. In case the items are proprietary products of the company, a proprietary item certificate stating the same must be provided.
7. Financial bid will be opened only for those who meet the technical qualifications.
8. Institute reserves the right to accept or reject any or all of the quotations without assigning any reasons thereof.