

# University School of Chemical Technology GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

Sector: 16C, Dwarka, New Delhi-110 078

Ref. No.: IPU/USCT/Pur/2013/ 234/L  
Date: 20.12.13

Sealed item rate quotations are invited on behalf of Dean, University School of Chemical Technology, Guru Gobind Singh Indraprastha University, Sector:16C, Dwarka, New Delhi-110078 **from manufacturers/distributors/authorized dealers** for the supply of following item with the following technical specifications and terms and conditions:

Sr. No.	Name of the items	Technical Specifications
1.	<b>HYDRODYNAMICS OF PACKED BED</b>	<p>The set up should consist of packed column packed with Rasching Rings where the air is counter currently fed to the column. The water should enter from the top of the column. The apparatus should be provided with suitable capacity tank, pump, necessary pipe lines and rotameters for measurement of the flow rate of water and air separately.</p> <p>Objective: To study the loading and flooding characteristics in a packed column.</p> <p>Packed Column: Material Borosilicate Glass and Stainless Steel. OD 50 mm (approx.), Length 750 mm (approx.)</p> <p>Packing: Material Borosilicate Glass Rasching rings Size 8-10 mm (approx.)</p> <p>Water tank: Material: Stainless Steel, Capacity: 30 Ltrs.</p> <p>Compressor: For supply of compressed air at min. 2 Bar, 2.5 CFM.</p> <p>Water Circulation: FHP Pump.</p> <p>Flow Measurement: Rotameters 2 Nos. (one each for air and water)</p> <p>Pressure differential measurement: Manometer</p> <p>Instruction Manual: Instruction manual should be provided along with the sample experimental data.</p> <p>The set-up should be well designed to run independently and painted structure.</p>

## Terms & Conditions:

1. The firms must be manufacturer/authorized dealer/authorized distributor.
2. FOR: GGS Indraprastha University, Sector:16C, Dwarka, New Delhi-110078
3. Payment: After satisfactory Installation. No advance payment will be made.
4. Delivery: 45 days
5. Taxes: Tax as applicable may please be clearly mentioned in the quotation.
6. Warranty: Two year
7. Quotations received after due date & time shall be summarily rejected.

Last date, time and venue for submission of quotation

**02.01. 2014 Up to 5:00 P.M.** at Room No. 105, Block B, USCT, GGSIPU, Sector 16 C, Dwarka, New Delhi - 110078

*Handwritten signature*  
Dean, USCT  
20/12/13