



झारखण्ड केन्द्रीय विश्वविद्यालय
Central University of Jharkhand
(Established by an Act of Parliament of India, 2009)

Ref No: CUJ/CAC/Purchase/2014/RBS/DST/01

Dated: 30/11/2014

Sealed quotations are invited for the articles enclosed in the separate sheet subject to the terms and conditions given below:

The quotation should be addressed to **Dr. Raj Bahadur Singh** (P.I. of the Project), Assistant Professor, Centre for Applied Chemistry, Central University of Jharkhand, Ratu-Lohardaga Road, Brambe, Ranchi, 835205 and should reach on or before 21 days from the advertisement of the tender. Quotations will be opened on the next working day.

TERMS AND CONDITIONS

1. Quotations without any erasures and overwriting must be submitted in sealed cover addressed to the Stores Officer, Central University of Jharkhand, Ratu-Lohardaga road, Brambe, Ranchi-835205, superscribed Tender/Enquiry No. and the due date failing which, quotation may be ignored. Tender/quotation should be sent through Post/ Courier/ By Hand.
2. The rate quoted should be inclusive of all packing, forwarding, sales tax, freight and insurance charges and should remain valid for our acceptance for minimum period of Six (6) months from the due date of opening of the quotations. The quotation should be CUJ consignee's site basis i.e. Central University of Jharkhand, Ratu-Lohardaga Road, Brambe, Ranchi.
3. Manufacturer's name of company of origin of materials offered must be clearly specified. Complete details of illustrated literatures/or drawings, in original (not photocopies), if any must accompany all quotations.
4. The University will not entertain requests for revision in prices once quoted for whatever reason after the tenders are opened during the period of contract.
5. All goods must be delivered at the university at Ratu-Lohardaga Road, Brambe, Ranchi for inspection by our inspecting authority.
6. Full payment will be made within 30 days of the receipt and acceptance after inspection of supplies at destination, quotations containing different payment terms are liable to be ignored.
7. All goods must be delivered at our university at Ratu-Lohardaga road, Brambe, Ranchi (Stores & Purchase Section) after confirmed order. The University will provide DSIR certificate, Educational certificate if necessary. The University will not be responsible for issuing any Road Permit.
8. Only Manufacturer/ Authorized distributor/ firms of repute dealing in the items listed in the quotation having experience in sale and repair/ maintenance may apply. In case of dealer, tender specific Authorization in original from the manufacturer should be attached with the Technical Bid.

9. Foreign Manufacturers should have their own office in India along with Technical Support/ Service Support for better after sales service.
10. It should be mentioned specifically whether price quoted includes all taxes and duties. Sales tax and/ or other duties legally liable and intended to be claimed should be distinctly shown in the tender.
11. VAT/CST Registration Number and its validity should be indicated. Documentary evidences be supplied/ attached to the tender documents.
12. All rates shall be indicated both in words and figures. Where there is difference between the rates quoted in words and figures, rate quoted in words will prevail.
13. The supplier shall make delivery of the items within the stipulated period from the placement of the purchase order. The purchase order would be placed after assessing the requirement and hence, actual quantity may increase/ decrease.
14. The Tender Document for items will be Two- Bid system consisting of Technical Bid and Price Bid. The Tender Document will be submitted item-wise in two separate sealed covers clearly mentioning on the envelope the details of items for which Bid is submitted.
15. The Bidder must enclose point wise compliance of the technical specifications of each item.
16. The price of Tender Document is Rs. 1000/- only (One Thousand rupees only) (non- refundable). The Tender Document price may be attached to the Technical Bid in the form of Bank Draft in favour of “Central University of Jharkhand” payable at Ranchi.
17. The Tender Documents comprising of Price Bid, Technical Bid and Earnest Money Deposit of Rs. 30,000.00 only (Rupees Thirty Thousand only, refundable) in the form of Bank Draft in favour of “Central University of Jharkhand” payable at Ranchi kept in the separate envelope superscripted with the name of the same. The Tender Document must be enclosed with Earnest Money Deposit otherwise the tender document will be rejected. All the documents must be enclosed in a bigger size envelope super-scribed with the tender number and item name.
18. Only those Manufacturers liable to participate having ISO 9001 and ISO 14001 certification.
19. All legal disputes shall be under the jurisdiction of Jharkhand High court, Ranchi.
20. The University reserves the right to accept or reject any Bid, without assigning any reason thereof. No correspondence in this regard will be entertained.
21. All the participating firms should attach supporting documents in favour of:
 - a) Have at least 5 years of experience in the field.
 - b) Have an annual turnover of at least Rs. 50 Lakh per annum for each of the last 3 years (i.e 2010-11, 2011-12 & 2012-13) (Agency should produce a certificate from their Audit Firm in respect of turnover for the mentioned period)

- c) Be registered with Directorate of Industries or Small Scale Industries or any other appropriate authorities.
- d) Have valid TIN Number for registration under VAT/CST
- e) Have PAN for Income Tax. Supporting documents for Income Tax return for the last Two years (i.e 2011-12, 2012-13, 2013-2014) are to be attached.
- f) Documents as proof in respect of Technical bid along with supporting documents.
- g) Profile and Track Record of the agency. (3 years)
- h) Copy of signed Balance Sheets of last three years.
- i) Detailed terms & conditions regarding performance/ warranty/ bank guarantee/ Inspection/ LD/ penalty for delayed supplied will be elaborated in purchase order.
- j) For proprietary items/ single manufacturers or Government manufacturers, proper certification in original is to be attached along with the Technical Bid.

Raj Bahadur Singh

Principal Investigator

S.No.	Item	Specification	Unit
1.	Rotary Evaporator with Vacuum pump and Chiller	<p>Rotavapour with heating bath with specifications:</p> <ul style="list-style-type: none"> ✓ Rotation Speed : 20- 280 rpm. ✓ Heating bath range: 20- 180 ° C. The bath has BOTH SET AND ACTUAL digital temperature display Simultaneously as a standard feature. The heating bath has a stainless steel coating. Heating Temp. locking facility in the heating bath as standard. ✓ Wireless contacts on the heating bath both for supply of power (incorporating Kettle Technology) and communications for better safety. ✓ The bath volume is 4ltr. ✓ Evaporation flask from 50ml- 4000ml can be used on the same joint adapter without additional connections. ✓ INFRA RED COMMUNICATION BETWEEN HEATING BATH AND ROTAVAPOR . ✓ MOTORISED QUICK ACTION JACK WHICH IS SIMPLY ACTIVATED BY PRESSING A BUTTON. IN CASE OF POWER FAILURE – THE FLASK IS AUTOMATICALLY LIFTED. ✓ Optimized condenser, all connections (for vacuum, water circulation and vapour temperature) at the lower part of the condenser. ✓ The optimized condenser has a steeper elevation angle for small volume flasks. ✓ Vertical Glass assembly. ✓ Single sealing system for all glass assemblies. ✓ Vertical condenser with 1450 cm² effective cooling surface-for an efficient condensation. ✓ Combi clip for easy fixing and removal of vapour duct and evaporation flask. ✓ All glass components are stress relieved and made of Borosilicate 3.3 glass. ✓ Powder coated aluminum housing for rough environment. ✓ IP Class 21 for rotavapour and heating bath. ✓ Operating voltage for Roti / Heating bath 220-240 V., 50/60 Hz. <p>Vacuum Pump with specifications:</p> <ul style="list-style-type: none"> ✓ Single stroke speed/RPM controlled pump. 	01 Each

- ✓ Integrated gas ballast for drying of diaphragm during operation ensuring high flow rates.
- ✓ Unique window head allows visual inspection of diaphragms for checking solvents build up and contamination.
- ✓ Compact design, with integrated carrying handle.
- ✓ Volume flow rate : 1.8 m³/hr
- ✓ Ultimate vacuum < 10 mbar.
- ✓ Brushless DC motor.
- ✓ Supply voltage :100–240 V/50–60 Hz
- ✓ Materials in contact : PEEK, PTFE
- ✓ CE Approved.

Vacuum Controller :

- ✓ Integrated vacuum controller for display, control and regulation of vacuum.
- ✓ Vacuum regulation to a specified set point.
- ✓ Solvent library with more than 40 predetermined solvents.
- ✓ Timer function for process interruption after set time.
- ✓ Integrated ventilation valve to prevent overpressure in case of power failure.
- ✓ Measuring range : 1400-0 mbar ; Control range : 1100-1 mbar.
- ✓ USB interface for data transfer,(pressure, bath temperature) for storage, evaluation and Optimization.
- ✓ Single vacuum controller can control the rotavapour, vacuum pump and recirculation chiller.

Recirculation Chiller With specifications:

- ✓ Digital display of set/actual temperature
- ✓ Temp. range : fix +10 degC
- ✓ Cooling capacity : 500 W at15°C.
- ✓ Tank volume : about 3 litres or more.
- ✓ CFC free refrigeration system

		<ul style="list-style-type: none">✓ Direct communication is possible with the vacuum controller. At the end of distillation the controller can switch off the chiller.✓ Operated on 220-230v/ 50-60 Hz.	
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