

**Ref no: CUJ/CAC/Purchase/2014/DST-01**

**Dated: 06-02-2014**

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. Soumen Dey** (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 **27/02/2014**. 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) 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.

**Soumen Dey**

Principal Investigator

| SI No | Item                                 | Specification   | Unit |
|-------|--------------------------------------|---|------|
| 01    | Double beam UV-Vis spectrophotometer | <p>Microprocessor controlled UV-VIS spectrophotometer with large backlighted display of 26cm or larger with following onboard software to use as standalone system.</p> <ul style="list-style-type: none"> <li>➤ Optical system: Double Beam with 2 detector (split beam or ratio beam will not be considered)</li> <li>➤ Grating: stigmatic concave diffraction grating (hologram grating will not be considered)</li> <li>➤ Wavelength range: 190 to 1100 nm</li> <li>➤ Spectral band pass: 1.5 nm</li> <li>➤ Noise level: <math>\pm 0.00015</math> Abs or better</li> <li>➤ Baseline flatness: <math>\pm 0.0006</math> Abs (within 200 to 950 nm)</li> <li>➤ Baseline stability 0.0003 Abs/h (at 500 nm, 2 hours after power on)</li> <li>➤ Wavelength setting repeatability : <math>\pm 0.1</math> nm</li> <li>➤ Photometric accuracy and repeatability: should be certified according to NIST SRM 930</li> <li>➤ Response: fast, standard, slow</li> <li>➤ Wavelength scan speed: 10, 100, 200, 400, 800, 1200,2400, 3600 nm/min</li> <li>➤ Light source: Deuterium Lamp, Tungsten Iodide Lamp</li> <li>➤ Light source changeover Automatic switchover interlocked with wavelength.</li> <li>➤ Centronics interface and RS-232C interface</li> <li>➤ GLP/GMP Complied.</li> <li>➤ 10mm path length quartz cuvette 1 ml should be supplied with the system.</li> </ul> <p>Software function/application includes:</p> <ul style="list-style-type: none"> <li>➤ Measurement mode: photometry, wavelength scan, time scan, multiple wavelength Ratio (260 / 280)</li> <li>➤ Working curve type: Linear, quadratic, polygonal line, K factor input.</li> <li>➤ Calculation of correlation coefficient</li> <li>➤ Concentration unit input</li> <li>➤ Kinetic assay</li> <li>➤ Spectrum and working curve printout</li> <li>➤ Spectrum display</li> <li>➤ Peak/valley detection/Tracing/Scale expansion/contraction/Smoothing</li> <li>➤ Differentiation</li> </ul> | 01   |

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|----|------------------------------------|---|----|
|    |                                    | <ul style="list-style-type: none"> <li>➤ Area calculation</li> <li>➤ Fundamental arithmetic calculations between spectra</li> <li>➤ Data saving</li> <li>➤ Validation function</li> <li>➤ Automatic wavelength calibration</li> </ul>   |    |
| 02 | Rotary Evaporator with Vacuum pump | <ul style="list-style-type: none"> <li>➤ Vertical condenser with normal glass. Condenser is made of Schott borosilicate 3.3 glass.</li> <li>➤ Manual jack.</li> <li>➤ Seal made of PTFE composite material, one piece vapor duct.</li> <li>➤ Speed range: 20-280 rpm , Combi clip for easy fixing and removal of vapor duct. Evaporation flask from 50-4000 ml. can be used without any additional adapter. Complete with 1 liter receiving and 1 liter evaporation flask.(STJ 29/32),CE approval.</li> <li>➤ Heating bath: Temp. range : 20 °C -95 °C , Display of set /actual temperature with heating on-off.</li> <li>➤ Bath capacity: 4 liters. Max. Flask holding capacity: 4 liters. With integrated carrying handle.</li> <li>➤ Operated on 220-240 V, 50/60 Hz. CE approval.</li> <li>➤ Only one power cable for rotavapour and heating bath.</li> </ul> <p><b>Vacuum pump specifications:</b></p> <ul style="list-style-type: none"> <li>➤ Chemical Resistive Parts</li> <li>➤ Max. flow rate 38 ltr/Min</li> <li>➤ Vacuum 28” Hg</li> <li>➤ Motor 1/3 HP</li> <li>➤ Totally oil-free construction</li> <li>➤ No lubrication required</li> <li>➤ Noiseless performance</li> </ul> | 01 |