

**Department of Biochemistry
University of Delhi South Campus
Benito Juarez Road, New Delhi 110021**

Quotation Invitation Letter

Date: 13/10/2021

Ref. No. – UDSC/BIOCHEMISTRY/Alo/e-procure- 102

PURCHASE OF HIGH SPEED LARGE CAPACITY REFRIGERATED FLOOR CENTRIFUGE

Name of the equipment: HIGH SPEED LARGE CAPACITY REFRIGERATED FLOOR CENTRIFUGE

Quantity: One

Specifications and Technical Details:

- The High speed centrifuge should run at maximum speed of 23,000 -30000 rpm & 65000 - 110,000 XG RCF
- The High speed centrifuge should have a speed rotation tolerance of ± 100 rpm of set speed
- The High speed centrifuge should have maximum nominal capacity of 4liter
- The High speed centrifuge should have Pre cooling function & temperature set range from -10°C to $+40^{\circ}\text{C}$ with 1°C increments and temperature Accuracy of $\pm 2^{\circ}\text{C}$ or better
- The High speed centrifuge should have maintenance free High Torque Brushless DC motor.
- The High speed centrifuge should have non-contact imbalance sensor to detect any imbalance in the system to activate the imbalance alarm and stops rotation immediately when detected
- The High speed centrifuge should have minimum imbalance-tolerance of 5% of opposing loads to improve system reliability and longevity
- The High speed centrifuge should have Large LCD touch display with features like programmed start/ stop function, Large 5.7 inch colour LCD touch screen, RPM/ RCF mode, Run Scheduling and USB data communications
- The High speed centrifuge should have Acceleration/ Deceleration Profile: 9/9 or more
- The High speed centrifuge should have programmability of registering up to 100 programs or more with min. 30step run in the system.
- The High speed centrifuge should be able to accept Fixed Angle and Swinging Bucket Rotors.
- The High speed centrifuge should support automatic rotor locking by auto lock rotors system, to lock/unlock the rotors.
- The High speed centrifuge should have USB ports to support options for data communication and operating log management as per GMP/GLP data management
- The High speed centrifuge should have Power: 210-240 VAC, 50/60 Hz, 30 A.
- The High speed centrifuge should have less noise level of 60dB(A) or less for stress free work environment

- The High speed centrifuge should have Safety and Standards Certification: European CE with Product Safety: EN61010-1 and EN 61010-2-020 Electromagnetic Compatibility: EN 61326-1
- The High Speed centrifuge should have at least 5-year warranty on unit warranty, drive and on refrigeration from the date of successful installation in the lab
- 2-3 Performance Certificate / Installation reports for recent orders for same model from Premier Institutions (1-2 years)

Rotor & Accessories

- **Fixed angle Rotor for 4 x 1,000 ML capacity, Speed of 10,500 rpm or more & 20500 RCF or more, must carry min. 15 years warranty**
1L bottles (two extra sets- 8 bottles) must be quoted along with rotor
- **Fixed angle Rotor for 6 x 500 ML capacity, Speed of 12000 rpm or more & 24000 RCF or more, must carry min. 15 years warranty**
500 ML bottles (one extra set- 6 bottles) must be quoted along with rotor
- **Fixed Angle Rotor for 8 x 50ML tubes, Speed of 18000 rpm or more& 38000 RCF or more, must carry min. 15 years warranty**

Eligibility Criteria:-

- The Bidder shall provide the Registration number of the firm along with the LST/ CST/ WCT No. and the PAN Number issued by the concerned authorities.
- Separate technical and price bid should be uploaded.
- Price Bids should contain the prices, terms of delivery, sales, payment terms etc.
- The bidder must not be blacklisted by Delhi University. A Certificate or undertaking to this effect must be submitted.

General requirements:

- Premium branded instrument should be provided to ensure the high quality and reliability of your work.
- A user list of at least 3 users of the equipment quoted (who have installed and used them successfully for years) with addresses / e-mail IDs / phone numbers should also be provided.
- Details on website & product literature justifying the technical specifications must be provided.
- The supplier should have service center in Delhi/NCR for quick service within 48 to 72 hours
- Firm MUST provide a compliance statement vis-à-vis specifications in a "tabular form" clearly stating the compliance and giving justification, if any supported by technical literature with clear reference of page number, paragraph or lines. This statement must be signed, with the company seal, by the Tendered for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the Tender.
- The equipment should be delivered latest within 4-6 weeks of placement of work order.

No Commitment to Accept Lowest or Any Tender:-

- Demonstration of the item or its use will be required, if needed.

- Institute reserves the right to order equipment/accessories with better quality and suitability over lower price and to accept or reject any or all quotations without assigning reasons thereof.
- University of Delhi shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers. University of Delhi will not be obliged to meet and have discussions with any vendor, and or to listen to any representations.

Instructions to Suppliers:

Two types of quotations are to be submitted: Technical and Financial.

Technical Quotations should contain all details of technical specifications of the equipment including manufacture and model details along with commercial terms and conditions, warranty and delivery schedule. The quote should be valid for a minimum of 120 days from the due date. Pictures of the equipment must be included with similar specifications as above with logo or name of the company on them. Authorization certificates from the Principal manufacturer, if any, must be provided. Proprietary certificate for any proprietary or patented item must be provided. Unique features may be highlighted along with their applications and advantages over other available accessories.

Financial Quotations should contain the price of the equipment, discount if any, packaging and forwarding charges, Air Freight and insurance charges. The customs duty exemption certificates will be provided by the buyer and inclusive of the standard installation. The vendor should upload the quotations through e-procure site.

Price Quotation:-

- Comprehensive price (INR/FC) to be quoted which includes all necessary pricing and taxes. CDEC will be provided, if needed.
- Vendor will need to provide bank guarantee in lieu of advance payment.

The supplier should provide tender through e-procurement site.


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