

**Department of Biochemistry
University of Lucknow
Lucknow-226007**

TENDER NO.: LU-Biochem-PURSE/Equip2

Dated: 03 March 2021

Short term Tender/Bid invited for **High Speed Refrigerated Centrifuge with rotors and accessories**, required for the Department of Biochemistry, University of Lucknow, under DST-PURSE grant



Non transferable

**Department of Biochemistry
University of Lucknow
Lucknow-226007**

**TENDER NO.: LU-Biochem-PURSE/Equip2
Dated: 03 March 2021**

Sealed, Short term Tender/Bid are invited from registered, experienced & reputed firms under two bid system i.e. Technical Bid & Financial Bid, for **High Speed Refrigerated Centrifuge with rotors and accessories**, required in the Department of Biochemistry, University of Lucknow, Lucknow, to be procured from the equipment grant under DST-PURSE.

**1. Detailed description of various items required along with specifications
(Please see Annexure I)**

2. Time Schedule:

- ❖ **Date of downloading of Bid document:** 03.03.2021 onwards till last day.
- ❖ **Last Date & Time for receipt of tenders:** 10.03.2021 at 11:00 A.M.
- ❖ **Date & Time for opening of Bid:** 10.03.2011 at 12:00 Noon.
- ❖ **Place of deposit of tender:** Departmental drop box, Department of Biochemistry, University of Lucknow, Lucknow.

3. Cost of tender Form: Rs. 1,000.00 in form of bank draft in favor of Finance Officer, University of Lucknow payable at Lucknow must be enclosed with tender form. Cost of tender form is Non-refundable.

4. Validity of Tender: 90 days from the date of opening of tender.

5. The interested firms may put the document completed in all respects along with Earnest Money Deposit (EMD) 30,000.00 (Rupees Thirty thousand only) in the name of Finance Officer, University of Lucknow, Lucknow-226007 in form of bank draft only.

6. The University of Lucknow, reserves all right to amend or withdraw any of the terms and conditions contained in tender document or to reject any or all tenders without giving any notice or assigning any reason. The decision of University of Lucknow in this regard shall be final and binding on all.

Head

Department of Biochemistry

For Registrar,

University of Lucknow, Lucknow-226007

Tender Form

The bidders should furnish the under mentioned information and also enclose the copy of the respective document as mentioned below failing which their bids will not be considered.

1. Name of the Firm (Full Address)
2. Name of the Proprietor
3. Telephone / Mobile Number
4. Bank Account Number
5. Income Tax Permanent Account Number
(Please enclose photocopy)
6. Registration with Trade Tax (U.P.):
Trade Tax Reg. No.
C.S.T. No.
ST / VAT No.
TIN No.
7. Income Tax Return for the past 3 years. (Please enclose photocopy)
8. Firm deed & Registration of the firm: (Please enclose photocopy)
9. (a) Demand Draft towards the cost of the Tender Form:
Draft No. Name of the issuing Bank
Draft Amount Rs. 1,000/-

(b) Demand Draft for the Earnest Money Deposit (EMD):
Draft No. Name of the issuing Bank
Draft Amount Rs. 30,000/-

Demand Draft should be drawn in favor of Finance Officer, University of Lucknow, Lucknow, payable at Lucknow. Tenders/ Bids not accompanied by the requisite Demand Drafts shall not be considered and shall be rejected.

Instructions to Bidders & Pre-Qualification Requirement of Bidders

1. Capacity

The firm should be capable of mobilizing adequate arrangement for the supply of for **High Speed Refrigerated Centrifuge with rotors and accessories**, required for Department of Biochemistry, University of Lucknow, Lucknow, from equipment grant provided under the DST-PURSE scheme.

2. Penalty

Penalty @ 10% of the value of the order shall be imposed for every day of delay in the supply of the full order.

3. Arbitration

In case of any dispute, the decision of University of Lucknow shall be binding. University of Lucknow has the right to cancel all or any of the tenders without assigning any reason.

4. Legal Jurisdiction

For legal dispute, if any, the jurisdiction will be limited to the District of Lucknow.

5. Rates quoted by the firms (L 1) are negotiable.

6. Technical and financial bids, duly signed and stamped, to be kept separately in sealed envelopes. The envelope containing bids be marked on top as "Technical/Financial bids for **High Speed Refrigerated Centrifuge with rotors and accessories**, required for Department of Biochemistry, University of Lucknow, Lucknow, from equipment grant provided under the DST-PURSE scheme.

7. **Tender should be addressed in the name Head, Department of Biochemistry, Lucknow University, Lucknow University, Lucknow-226007.**

8. With tender form specification of equipment or item supplied must be written, sealed and signed by the authorized signatory.

9. Supplied scientific equipment/items must be as per given specifications.

10. Quantity to be supplied and work to be completed may change at the time of order.

11. Non-compliance of order, in time, will be treated as non-compliance of the terms and conditions.

12. No advance amount will be given.

13. Without assigning any reason any tender or all tenders can be cancelled by the University authorities at any stage.

14. **Affidavit will be given by the tenderer** that they will follow the all the mentioned terms and conditions.

15. Payment will be made to the firms after successful installation of the equipment, via Telegraphic Transfer (T.T.), after deducting the Sales tax, Stamp Duty and Income Tax, if applicable, through the Finance & Accounts office of the University of Lucknow.

Head

Department of Biochemistry

For Registrar,

University of Lucknow, Lucknow-226007

Annexure I

Specification of equipment

Short-term tenders are invited for the procurement of a **High Speed Refrigerated Centrifuge with rotors and accessories**. **Mandatory specifications for High speed refrigerated centrifuge, with rotors and accessories** are as follows:

1. **Must be a floor model centrifuge with**
2. maximum speed of 22,000 rpm and exceeding 55,000 x g (with appropriate rotor) with speed rotation tolerance of ± 100 rpm of set speed.
3. Must be able to support rotor capacities of upto 6 litres
4. Rotor chamber temperature range from -20 °C to +40 °C with 1 °C increments and temperature Accuracy of ± 3 °C. The refrigeration system must be based on inverter-controlled hermetic rotary compressor with an appropriate refrigerant like R410A.
5. Timer to enable programmed, preset timed runs up to at least 90 mins (with 1 min increments) with HOLD function
6. The drive system should be an Induction motor and the system must have dual over speed detection.
7. **Security/safety features:** Non-contact imbalance sensor to detect any imbalance in the system. Imbalance detection must lead to activation of an alarm and immediate stopping of rotation.
Must have automatic rotor and rotor cover detection for user and sample safety and must support automatic rotor locking by self-locking rotor system, without any need for a tool or push the button to lock/unlock the rotors.
8. Programmed start/ stop function, Large color LCD touch screen (not less than 5"), RPM/ RCF mode, Run Scheduling and USB data communications and recover run histories
9. In-built condensate drain to prevent water accumulation and automatic standby function.
10. Must have Acceleration/ Deceleration Profiles (at least 9 each) and should have programmability of registering up to 30 programs with step run in the system. It must allow setting User administration access level to register up to several users (more is better) and user lockout function.
11. Ability to accept Fixed Angle and Swinging Bucket Rotors and should have option to browse available rotors, their specifications and accessories
12. USB ports to support options for data communication and operating log management
13. have Power: 210-240 VAC, 50/60 Hz, 30 A, have less noise level of 64 dB(A) or less for stress free work environment and small footprint, not exceeding 700 (W) x 760 (D) x 915 (H)
14. have Safety and Standards Certification: CE; have Product Safety: EN61010-1 and EN 61010-2-020 Electromagnetic Compatibility: EN 61326-1
15. System should have easily accessible emergency lid release, preferably in front side (in case of power failure)
16. Features in the quotations should be substantiated with proper company catalogue
17. Warranty of at least one year from the date of successful installation in the lab and additional 2 years AMC.
18. Consumables and accessories required for the rotor to be included along with the quoted rotor

Rotor & Accessories

Fixed angle Rotor

Should accommodate 50 ml tubes and be capable of operating at a maximum force exceeding 30,000 x g. Angle may be around 30°. Rotor must be autoclavable at 121°C for 20 minutes. To be supplied with a set of tubes/adapters double the number of places in the rotor.

Fixed angle rotor for microfuge tubes

Should accommodate microfuge tubes up to 2.0 ml and be capable of operating at a maximum force exceeding 55,000 x g. Angle may be around 45°. Rotor must be autoclavable at 121°C for 20 minutes.