

Department of Zoology, University of Kerala, Kariavattom,  
Thiruvananthapuram, Kerala, India - 695581, Ph: 91 471 2308920

TENDER -Pl.A1 No. 4096/14432/17

Dated 17.02.2017

**E-Tender Notice**

Department of Zoology, University of Kerala, Kariavattom, invites open tender through e-Procurement (two cover system) from the Original Equipment Manufacturers or their Authorised Dealers for the supply and installation of Refrigerated Centrifuge in the Department.

Last date and time for submission of tender online	06.03.2017 at 5.30 P.M
Last date and time for submission of tender offline	06.03.2017 at 5.30 P.M
Date and time of opening of tender	10.03.2017 at 11.00 A.M
Hard copies of the sealed tenders to be submitted to the office of	The Registrar, University of Kerala, Senate House campus, Palayam Trivandrum- 695 034, Kerala Tel: +91-471-2305631, 2386202 (O)  e-mail: regrku@gmail.com
For technical details contact	Dr. Sreejith. P, Assistant Professor Department of Zoology, University of Kerala.  Phone No. 9496793794  E-mail:p.sreejith@gmail.com, Psreejith@keralauniversity.ac.in

[For further details logon to www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)

## TECHNICAL SPECIFICATIONS of Refrigerated Centrifuge

**Performance** : Must have wide temperature range of  $-9^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ , which is modifiable during the run  
: Must be able to maintain at  $4^{\circ}\text{C}$  at max. Speed Operation  
**Max RCF** : 20800 x G. Adjustable from 100rpm upwards in an increment of 10 rpm up to 3000rpm and in an increment of 100 rpm thereafter.

### **Technical Data:**

Power supply : 230 V / 50–60 Hz

Max. Speed : 14000 rpm

Dimensions (W x B x H) : 38x64x29cm

Acceleration time : Approx.14s

Deceleration time : Approx.15s

Display : Digital

Control : Microprocessor

**Rotor** : Should be quoted Swing bucket rotor for 2x5MTP, 2X4 cell culture plate and 2x2 DWP. Fixed Angle rotor for 6X85ml (11000 rpm and 15500g) and adapter for 15ml and 50ml should be quoted

**Safety features** : Must follow safety standards set by IEC 1010–2–020  
Rotor should be made of anodised aluminium to ensure chemical Resistance  
Rotor for 15 and 50 ml tubes, 96 well plates  
Chamber must be of stainless steel material  
Rotor must be autoclavable at above  $100^{\circ}\text{C}$  for 20min to completely eliminate any contaminating material  
Automatic imbalance detection  
Automatic rotor recognition  
2–point lid screwing for maximum security even at high speed centrifugation

### **General Conditions:**

1. The tender shall be submitted in the two bid viz. Technical Bid and Financial Bid. Only those qualified in technical bid will be eligible for participating in financial bid. A

presentation regarding the technical specification and item to be supplied shall be done before the technical evaluation committee if requested.

2. The bidder should be a manufacturer or their dealer specifically authorized by the manufacturer to quote on their behalf for this tender as per Manufacturer Authorization From and Indian agents of foreign principals, if any, who must have designed, manufactured, tested and supplied the equipment(s) similar to the type specified in the “Technical Specification”. Such equipment must be of the most recent series/models incorporating the latest improvements in design. The models should be in successful operation for at least one year as on date of Bid Opening.
3. **Compliance Statement:** Along with the technical details provide a tabular column indicating whether the equipment quoted by you meets the specifications by indicating 'YES' or 'NO'. If 'YES', support the claim by providing original brochures. **Venders should provide clear brochures/data sheets about the equipment and it's working. Also include adequate proof for the claim regarding the performance.**
4. **Reference:** Names of Institutes with contact person and telephone/ email where similar equipment supplied by you in India [Preferably South India] shall be mentioned in the bid.
5. Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
6. The price should be inclusive of all taxes, duties, transportation, insurance, installation etc. Nothing extra will be paid in addition to the quoted rate. Any amount in Indian rupees for installation, commission, labour, spares, service etc shall be entered in item 2 of BoQ.

7. Payment Terms: 90% payment shall be made through irrevocable LC on presentation of complete and clear shipping documents and balance 10% of the amount shall be released after the receipt, installation commissioning and acceptance of the equipment.
8. Validity of tender: Tender submitted shall remain valid at least for 120 days from the date of opening the tender. Validity beyond 120 days, from the date of opening of the tender shall be by mutual consent.
9. Every tenderer should submit an Earnest Money Deposit (EMD) of Rs. 10,000/- or equivalent Bank Guarantee valid upto the installation of the equipment.
10. Every tenderer should submit Tender fee of Rs. 500/-
11. Delivery and installation: Proposed delivery schedule should be mentioned clearly. Delivery and installation and training (one week) should be made at the Department of Zoology, University of Kerala, Kariavattom campus, Trivandrum without extra cost. University of Kerala will provide customs duty exemption certificates if required.
12. Service facility: Supplier should mention their details of service setup and manpower in Thiruvananthapuram who are responsible for after sales support.
13. The model number, make, and a printed literature of the product shall submit positively.
14. In case of any dispute, the decision of the University authority shall be final and binding on the bidders.
15. The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.
16. The quoted item should be under **comprehensive warranty for 5 years** or more.

17. If any component is found to be defective during the warranty period, the vendor has to replace the defective item immediately at their own cost.

**Documents to be Uploaded**

- 1 Signed Compliance Matrix
- 2 Detailed Technical Brochure
- 3 Under taking of support for next 10 Years
- 4 BoQ
- 5 DD/Hard copy of Bank Guarantee if opted

**The Registrar,  
University of Kerala,  
Senate House campus, Palayam  
Trivandrum- 695 034, Kerala.**