

Department of Botany, University of Kerala, Kariavattom,

Thiruvananthapuram, Kerala, India – 695581

TENDER –Pl.A1/3192-2/Bot/17

Dated 15.10.2018

E-Tender Notice(Retender)

Department of Botany 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, installation and commissioning of **High Speed Refrigerated Centrifuge** in connection with the implementation of the Innovative project on ‘Establishment of Translational Research Facility in Plant Cell Culture Technology’, Phase III.

Last date and time for submission of tender online	31.10.2018 at 5.30 pm
Date and time of opening of technical bids	03.11.2018 at 11 am
Date and time of opening of financial bids	After Technical Evaluation
For technical details contact	Dr. E.A. Siril Assistant Professor Department of Botany University of Kerala Kariavattom, Thiruvananthapuram INDIA Mobile +91-9447260101 email: easiril@yahoo.com

For further details logon to www.etenders.kerala.gov.in

Technical specifications of High Speed Refrigerated Centrifuge

Specifications

High Speed Table top Refrigerated Centrifuge with different rotors and a compatible voltage stabilizer

Technical Specifications:

Must have wide temperature range (-20°C to + 40°C) of operation.

It should be supplied with at least two rotors and necessary adapters

1) Fixed angle rotor accommodating at least 12 x 1.5/2ml tubes (Can go up to a speed of approximately 30000 rpm). Autoclavable rotor, lid and adapters made up of chemical resistant material

2) Fixed angle rotor accommodating at least 6x 50ml (can go at a speed of above 20000 rpm) and suitable adapter for 15ml

- Set and actual speed setting should be possible in RCF and RPM, quick Key for short run
- Motorized lid latch is to be provided
- Should have fast precooling and standby cooling for maintaining temperature when not in use
- Large display showing speed, RCF, time and temperature
- Drive System- Brushless Induction, braking / acceleration - 9/9. 10 different acceleration and braking ramps for sensitive sample material
- Noise Level- <60dBA at Maximum Speed
- Run Time- 0-99 hrs 59 mins, continuous operation. Facility to store 90 runs including rotor type and short runs provisions
- The system should have automatic rotor recognition with over speed protection, Automatic imbalance indication with safety cut off
- The system should be manufactured according to the International Guidelines and compliance to IVD and CE.
- Must be supplied with stabilizer.

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 Form 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. Price quoted should be CIP Department of Botany, University of Kerala, Kariavattom Campus, Trivandrum-695581
7. 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.

8. 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 or 100% through overseas DD after installation followed by certification by the SIIC, University of Kerala.
9. 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.
- 10. Every tenderer should submit an Earnest Money Deposit (EMD) of Rs.25,000/- or equivalent Bank Guarantee valid upto the installation of the equipment.**
- 11. Every tenderer should submit Tender fee of Rs. 2,500/-**
12. Delivery and installation: Proposed delivery schedule should be mentioned clearly. Delivery and installation and training should be made at the Department of Botany, University of Kerala, Kariavattom campus, Trivandrum without extra cost. University of Kerala will provide customs duty exemption certificates if required.
13. Service facility: Supplier should mention their details of service setup and manpower in Thiruvananthapuram who are responsible for after sales support.
14. The model number, make, and a printed literature of the product shall submit positively.
15. In case of any dispute, the decision of the University authority shall be final and binding on the bidders.
16. The undersigned reserves the right to reject any or all of the tenders received without assigning any reason thereof.
- 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