

**DEPARTMENT OF PLANT MOLECULAR BIOLOGY
UNIVERSITY OF DELHI SOUTH CAMPUS
NEW DELHI-110021**

Tender Enquiry for Refrigerated Micro Centrifuge:

E-tender is invited from companies for supply & installation of **Refrigerated Micro Centrifuge** with the requisite accessories needed for the effective functioning of the equipment as per specifications below. Quotations can be submitted on Govt. of India eProcurement website (<https://eprocure.gov.in/eprocure>).

Mandatory technical specifications

1. Compact centrifuge for speed up to 14,000 rpm & RCF should be up to 16,800 x g
2. Dials and digital display for easy setting
3. **Rotor for 18 X 1.5 / 2ml tubes.**
4. Provision for 0.2 ml and 0.5 ml tubes adaptor.
5. Motorized lid latch
6. Brushless motor
7. **Autoclavable metallic rotors and lids with feature of Aerosol-tight Quick lock lid for the safety of user.**
8. Temp. range 0°C- 40°C
9. **Should maintain 4 deg C at maximum speed.**
10. **Fast temperature function for quick pre-cooling of the centrifuge.**
11. Standby cooling.
12. **Dynamic compressor control with ECO shut –off function for optimized cooling performance & extended compressor life.**
13. **Built in condensate drain to prevent water accumulation in the chamber.**
14. Should have separate short spin key .
15. Should be approved from *IVD* (In Vitro Diagnostic).
16. Acceleration time to max. speed ≤ 13 s

17. Braking time to max. speed ≤ 13 s
18. Timer 30 s to 99 min, with continuous mode
19. Noise level with rotor ≤ 50 d B(A)
20. Small foot print will be preferred.
21. The vendor should attach user list of at least 50 users the same model supplied to various reputed institutes/research labs/ICAR/CSIR institutes throughout India.
22. Centrifuge should have comprehensive warranty of 3 years plus 2 years free service after expiry of warranty from the date of installation.

Other Specifications

1. **Warranty / Guarantee:** Bid must be quoted **with 3 years comprehensive on-site warranty and 2 years free service after expiry of warranty including all components, accessories and software purchased and annual maintenance. Warranty for extended period (beyond standard warranty of the respective companies) should be mentioned separately in the bid.** It will be effective from the date of the satisfactory installation / commissioning of goods. The warranty would also be valid for any manufacturing defects, workmanship and poor quality of the components
2. **Delivery & Installation:** All the goods ordered shall be **delivered & installed within five weeks from the date of issuing purchase order.** All the aspects of safe delivery, installation and commissioning shall be the exclusive responsibility of the supplier. If the supplier fails to deliver, install and commission the goods on or before the stipulated date, a penalty at the rate of 5% per week of the total order value will be levied
3. In need of any repair/replacement of the instrument after registering the complaint engineer should visit the lab within 24 hours, repair should be done in 48 hours and any replacement should be done within seven working days.
4. Item quoted should be complete in all respects; any additional accessories required for instrument to operate /function should also be quoted as part of the instrument and should be supplied along with instrument. It should not be included in optional

5. Any deviation from the mandatory technical specifications and all other conditions proposed by the bidder should be clearly mentioned/highlighted in the first page of the tender. If deviations are not provided, the bid will be automatically considered as complying with all the requirements and specifications mentioned in the tender
6. Original manufacturer's product catalogue and specification sheet in English should be attached
7. Bidder shall upload the tender document and addenda there to, if any, with each page of this document signed and stamped to confirm the acceptance of the entire terms & conditions as mentioned in the tender enquiry document
8. Vendor should have minimum of **50** installations of quoted model installed in various reputed institutes/research labs/ICAR/CSIR institutes throughout India.

14.03.2019
New Delhi

Prof. Girdhar Kumar Pandey