



UNIVERSITY OF DELHI SOUTH CAMPUS

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Quotations are invited under two-bid system for **Refrigerated Tabletop Centrifuge with FOR destination** (Department of Microbiology, University of Delhi South Campus) **price (Indian Rupees only)** for supplying and installation of the item as described below:

Description and Technical Specifications	Quantity
<ol style="list-style-type: none">1. Refrigerated multipurpose bench-top centrifuge of at least 3L capacity2. System should be capable of using fixed-angle and swing-out rotors, supplied with adaptors if necessary.3. System should maintain temperature range of -10°C to 40°C.4. System must have smallest possible foot print and smallest lid opening height for easy sample accessing while loading and unloading samples. System should have a maximum capacity of 4 x 750 mL bottles5. Maximum speed for fixed angle rotors should be at least 14,000 rpm and RCF at least 22,132 x g force; for swing out rotors maximum speed at least 5100 rpm and RCF at least 5,234x g force6. System should have user-friendly operation; key panel with provision to set speed RPM / RCF, radius correction values that can be changed during centrifugation.7. System should have fast temperature function for rapid cooling of centrifuge and stand-by cooling options.8. System should have programmable temperature function to allow automatic precooling based on pre-programmable time and date9. System should have a minimum 5 direct program keys for routine programs and at least 99 storable programs10. System should have excellent temperature control with compressor running continuously during the run time11. System must have a timer function to support the sample pre-incubation and should indicate time since centrifugation is completed after completion of centrifugation run12. System must be equipped with automatic rotor recognition and imbalance detection for maximum operational safety13. Timer setting - 10 s to 99 h 59 min, with continuous run function14. System should have a separate short spin function key with user defined speed15. System should have 10 acceleration and deceleration steps16. Noise level at max speed should be less than 53 dB(A) for quiet operation in work place17. System should have automatic shut-off function to reduce energy consumption and to extend compressor life when not in use for long hours18. Rotors should be metallic and fully autoclavable at 121°C	1

