



UNIVERSITY OF DELHI SOUTH CAMPUS  
Department of Microbiology  
University of Delhi South Campus  
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No: UDSC/MicroBio/2022-23/03

Date: 31.12.2022

**Tender for “Refrigerated centrifuge with Swing buckets for Microplate/Elisa Plates and Fixed angle rotors” purchase through e-procurement portal**

The quotations are invited under two-bid system for **Two Units of “Refrigerated centrifuge with Swing bucket for Microplate/Elisa Plates and Fixed angle rotors (Total 6 rotors with accessories/adapters, 3L or above handling capacity)”**. The **quoted price in INR** (Indian Rupees only) **should be FOR destination** Department of Microbiology, University of Delhi South Campus both supplying and installation included. The last date of bid submission is **30<sup>th</sup> January 2023 by 5:00 PM** as per the tender specifications mentioned below

Sr. No	Name of the Equipment	Specification	Quantity
1	Refrigerated Centrifuge (3L or above)	<ul style="list-style-type: none"><li>• Microprocessor controlled Refrigerated Table Top Universal Centrifuge with the capacity to handle swingout and fixed angle rotors.</li><li>• <b>Max. Speed not less than 14,000 rpm.</b></li><li>• <b>Max. RCF not less than 20,500 x g.</b></li><li>• Capacity 3.0 liters or more.</li><li>• Temperature selectable range -20 °C to 40°C deg.</li><li>• Pre-selection of running time from 10 sec. to 99 h 59 min or continuous.</li><li>• LCD display for all pre-set &amp; actual parameters RPM/ RCF, Time &amp; Temp.</li><li>• Maintenance free, without carbon brush Motor drive.</li><li>• Swing out rotors with <b>Max. speed not less than RPM 3900</b> and RCF 3200 x g force</li><li>• Motorize lid lock for smooth opening &amp; closing of the lid.</li><li>• Corrosion Resistant Stainless-steel chamber.</li><li>• Automatic Rotor Identification with over speed protection.</li><li>• Active Imbalance Identification.</li><li>• CFC free Refrigeration.</li><li>• Pre-cooling of rotors facility.</li> <li>• 10 acceleration and 10 deceleration rates</li></ul>	02

		<ul style="list-style-type: none"> <li>• Permanent indication for actual &amp; Pre-set values.</li> <li>• Program memory for 90 runs.</li> <li>• Provision for short run.</li> <li>• Selection of speed in both RPM &amp; RCF.</li> <li>• Noise Level ≤65 dBA.</li> <li>• Self-diagnostic for Errors.</li> <li>• Users list with contact No's</li> <li>• Manufactured according to international safety regulation IEC 61010.</li> <li>• System CE approved, IVDR conform and ISO 9001 certified.</li> </ul> <p><b>All the rotors should be capable to run in both the quoted machines</b></p> <p><b>Accessories: Total 6 Metallic rotors with following/required mentioned Adapters</b></p>	
2.	<p><b>Accessories: Total 6 rotors</b></p> <p><b>Swing out rotor (Minimum 4 places) + 3 types adapters and bucket/carrier for Microplates and DWP</b></p>	<p>Swing out rotor to accommodate round bucket (at least 500ml x 4 bottles), Microtiter/ELISA/Culture plates 96 well. RPM upto 3900 rpm and RCF 3200xg. Rotors and Tight lids both autoclavable@121 °C. (Quantity 01)</p> <p><b>Plate Buckets/Carrier for Microplates and DWP (Quantity: 04)</b></p> <p><b>Round bucket for 500ml bottles (quantity 4)</b></p> <p><b>Adapter 1: 50 ml Conical tubes to accommodate upto 28 tubes (Quantity: 4)</b></p> <p><b>Adapter 2: 15 ml Conical tubes to accommodate upto 48 tubes (Quantity: 4)</b></p>	<p>01</p> <p>04</p> <p>04</p> <p>04</p> <p>04</p>
3.	<p><b>Metallic fixed Angle rotor minimum 6 place (either 6 x 85 ml or 6 x 50ml tubes)</b></p>	<p>At least 6 place Rotor for 6 x 85 ml tubes or 6 x 50ml with maximum speed not less than 12,000 RPM and 20,000 x g RCF (Compliance for both parameters required). Tight metallic lids and autoclavable@121 °C. (Quantity 02)</p>	<p>02</p>
4.	<p><b>Adapter for 50 ml conical tubes</b></p>	<p>Adapters for 50 ml conical tubes in case of large volume rotor offered. (Quantity 12)</p> <p><b>(50ml adapter not required if the above rotor is 6 x 50ml)</b></p>	<p>12</p>
5.	<p><b>Adapter for 15 ml conical tubes</b></p>	<p>12 adapters for 15 ml conical tubes. (Quantity 12)</p>	<p>12</p>

6.	<b>Metallic fixed Angle rotor (Either 24x1.5/2.0 ml or 30 x 1.5/2.0 ml tubes) or more</b>	Fixed-angled Rotor 24 or 30 x 1.5/2.0 ml tubes with maximum speed not less than 14000 rpm & RCF 20,500 x g (Compliance for both parameters). Tight metallic lids and autoclavable@121°C. <b>(Quantity 02)</b>	<b>02</b>
7.	<b>Metallic fixed Angle rotor (6x250ml)</b>	Fixed angle rotor 6x250ml with maximum speed not less than 8000rpm & RCF 10,000 x g. <b>(Quantity 1)</b>	<b>1</b>
8.	<b>Voltage Stabilizer</b>	A suitable voltage stabilizer for the centrifuges <b>(Quantity 2)</b>	<b>2</b>
9.	<b>Warranty</b>	<b>3 Years Comprehensive warranty on machine and rotors</b>	<b>3 Years</b>

**Important: For technical compliance, read the complete tend document very carefully before bidding.**

**Note: Nothing is Optional in the tender. The quoted Price must include applicable GST rates.**

1. Quote the final price, including all the above requirements i.e. Two Centrifuge, required rotors (total 6), and required adapters. **FOR destination price in Indian Rupee must be quoted.** Quotations are invited under two-bid system. **Nothing is Optional in the tender.**
2. Should carry Certification of US or European standard for the quoted equipment. Documentary proof to be submitted.
3. The vendor should have at least 10 years of track record of supply of centrifuges. Documentary proof to be submitted.
4. The vendor/manufacturer should enclose user list with the address of at **25 users of the same model of centrifuge** installed throughout India in various reputed Institutes/Universities/ICAR/CSIR/ICMR/other research labs in government-funded institutions. Documentary proof required, with phone no and complete address.
5. The vendor should submit an authorized distributor certificate issued by the original manufacturer for the quoted item. Manufacturer or vendor must have post sale service provider in Delhi in case of any technical or function issue with machine.
6. Vendor should also enclose the original literature/catalogue/company brochure **and fill out a compliance sheet, with the relevant page number** and line number of the brochure mentioned against each point of the technical specifications given above. The quoted specifications/features should be available on the company website **(Please provide the original manufacturer website showing the requested technical specification).**
7. The machine should be under **3 Years “Comprehensive warranty”** from the date of installation

### Important Information:

1. Bidder should be Manufacturer/ Authorized Partner/ Reseller of the manufacturer and a Letter of Authorization from the manufacturer for the same and specific to the tender should also be enclosed. The bidder should also be the Authorized Service Provider. (Attach the required certificate)
2. All vendors are requested to attach original technical literature/ catalogue in support of the mentioned specifications & highlight the above features. The same features should be available on the company website (**Please provide the original manufacturer website showing the specification**).
3. The quotations should be addressed to **Head, Department of Microbiology, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021**, and should be **uploaded on the e-procurement portal, latest by 5 pm on 30<sup>th</sup> January 2023**
4. Quotations have to be submitted in a **two-bid system**. The first part, **technical bid**, should consist of all technical details and supporting documents with terms and conditions. **A Compliance Sheet must be filled by the vendor** against each point and giving reference of the same (page number, line number) in the supporting company brochure/document.
5. The second part, **financial bid**, should contain item-wise pricing of items mentioned in the technical bid.
6. The bidder will have to quote all the required items together: partial quotes will not be accepted. For each item, make and model, have to be mentioned clearly. (Nothing is optional)
7. The quote should be valid for 90 days from the due date.
8. Payment will be made by wire transfer or through online system as per university rules after the installation of the instrument.

### Commitment to Accept Lowest or Any Tender

- Demonstration of the equipment with all accessories (mentioned in tender document) will be required on the recommendation of the Purchase Committee at Department of Microbiology, University of Delhi South Campus, New Delhi-110021.
- The University of Delhi shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers. The University of Delhi will not be obliged to meet and have discussions with any vendor and or to listen to any representations.

Date: 31-12-2022

  
Prof. Rajeev Kaul (Head)  
Department of Microbiology

HEAD  
DEPARTMENT OF MICROBIOLOGY  
UNIVERSITY OF DELHI SOUTH CAMPUS  
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