

Sept 4, 2014

**NIQ for 1 (one) refrigerated table top centrifuge, 2 (two) non-refrigerated table top centrifuges, and 4 (four) microcentrifuges**

Sealed quotations are invited for supply of 1 (one) refrigerated table top centrifuge, 2 (two) non-refrigerated table top centrifuges, and 4 (four) microcentrifuges in the Department of Biochemical Engineering and Biotechnology. The essential technical specifications are given below.

**Essential Specifications:**

<b><u>1 (one) refrigerated table top centrifuge</u></b>
Maximum capacity of the machine should be 1 litre or more
It should have adaptors for centrifuging volumes from 1.5 ml to 50 ml in the fixed angle rotor.
Rotor shall be installed and removed with no tools
Rotors should maintain 4 deg C at maximum speed
Rotors should be fully autoclavable with aerosol tight lid facility.
The RCF should be > 20,000 g
The centrifuge must be supplied with rotor capable of running at least 6 x 50 / 15 ml conical tubes, 24 x 1.5/2 ml tubes
It should have short spin key, fast cool
The centrifuge must be capable of running microplates, PCR strips
Temperature range should be -9 deg C to - 40 deg C
Minimum Rotors required: i) 24 x 1.5 / 2.0 ml Fixed-angled Rotor ii) 6 x 50 / 15 ml Fixed-angled Rotor
Should meet International safety standards
Rotor for running microplates desirable
Rotor lid with Quick Lock facility desirable
Stand by cooling option desirable
Built-in condensation drain facility desirable

<b><u>2 (two) non-refrigerated table top centrifuges</u></b>
Maximum capacity of the machine should be 1 litre or more
It should have adaptors for centrifuging volumes from 1.5 ml to 50 ml in the fixed angle rotor.
Rotor shall be installed and removed with no tools
Rotors should be fully autoclavable with aerosol tight lid facility.
The RCF should be > 20,000 g
The centrifuge must be supplied with rotor capable of running at least 6 x 50 / 15 ml conical tubes, 24 x 1.5/2 ml tubes

It should have short spin key, fast cool
The centrifuge must be capable of running microplates, PCR strips
Minimum Rotors required: i) 24 x 1.5 / 2.0 ml Fixed-angled Rotor ii) 6 x 50 / 15 ml Fixed-angled Rotor
Should meet International safety standards
Rotor for running microplates desirable
Rotor lid with Quick Lock facility desirable

<b><u>4 (four) Microcentrifuges</u></b>
Maximum RCF >16,000 x g
Maximum Speed > 13,000 RPM
Digital / LED display for easy setting
Autoclavable Rotor for $\geq 18 \times 1.5\text{ml}/2\text{ml}$
Short spin function
Aerosol tight quick lock rotor lid
Max Noise Level: $\leq 60$ dBA
Acceleration / deceleration time to max rpm of 15 sec.
Should meet International safety standards

**Terms and conditions:**

1. A minimum comprehensive warranty with spares for 3 years from the date of installation of the instrument.
2. Comprehensive on-site training to the users after installation.
3. Catalogue in original with all technical specifications printed on the catalogue. Principal needs to declare the year of launch of the quoted model.

**General instructions:**

1. Letter from the manufacturer specifically to quote for this tender is to be attached for authenticity of dealership/ agency and the dealer should be authorized service provider.
2. Vendor should get a fresh certificate directly from their product principal's clearly mentioning about warranty for three years of the systems to be delivered. The lowest quotation however, does not depend upon the warranty period.
3. Special discount/ rebate wherever admissible keeping in view that the supplies made for educational purposes in respect of the public institution of national importance may please be indicated.
4. Vendors should attach the relevant product brochures for the model quoted.
5. Validity of the quotation should be at least three months.

6. Vendors will do the installation and demonstration of the equipment at IIT Delhi premises without additional charges.
7. Taxes, terms and conditions should be clearly mentioned.
8. In the case the items are proprietary products of the company, a proprietary item certificate stating the same may be provided.
9. Specifications form should be similar to the given specifications sheet.
10. A compliance statement for required specifications should be attached.
11. Payment terms and conditions should be clearly mentioned. No advance payment is encouraged by IIT Delhi.
12. Firm MUST provide a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature with clear reference of page number, paragraph or lines. This statement must be signed by the tendered for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the tender. The quotation should be complete in all respects (as per IIT-Delhi rules).

**The Institute/ purchase committee has the right to accept or reject any bid or all quotations without assigning any reason whatsoever.**

Sealed quotations in separate envelopes of Technical and Commercial bids kept in one sealed outer envelope (super-scribed “Quotation for 1 (one) refrigerated table top centrifuge, 2 (two) non-refrigerated table top centrifuges, and 4 (four) microcentrifuges”) should be addressed to **Dr. Shilpi Sharma, Department of Biochemical Engineering and Biotechnology, IIT-Delhi, Hauz Khas, New Delhi 110016** and should reach the **Department of Biochemical Engineering and Biotechnology, IIT-Delhi by 5.00 p.m. on Sept 19, 2014.**