

SCHOOL OF BIOLOGICAL SCIENCES  
Indian Institute of Technology Delhi  
Hauz Khas New Delhi 110016, India

---

September 13, 2013

**Subject: Notice Inviting Quotation (NIQ) for purchase of Table Top refrigerated centrifuge**

Sealed quotations are invited from reputed companies or their authorized representatives for supply of one table top refrigerated centrifuge confirming to the technical specifications (or superior than specified) and prescribed terms and condition as prescribed under. Interested parties are requested to submit their sealed quotations in an envelope containing the financial and technical bids in separate sealed envelopes inside. The NIQ (Notice Inviting Quotation ) should be addressed to **Prof. S. E. Hasnain, School of Biological Sciences, IIT-Delhi, Hauz Khas, New Delhi 110016** and should reach the **School of Biological Sciences office, IIT-Delhi** by **10:00 hrs on October 04, 2013.**

## SPCIFICATION FOR REFRIGERATED TABLE TOP CENTRIFUGE

- Table top centrifuge for high volume applications
- Temp. range -9 to + 40 deg C
- RCF should be > 20,000 g
- Power supply upto 230V/50 Hz
- Max capacity of machine should be 3 liters or more , with at least 16 MTP plates.
- Noise level should be low < 65 dB(A)
- Separate rpm/rcf converter button
- Automatic rotor detection
- Rotors to maintain 4 deg C at max speed.
- Rotors should fully auto-clavable with aerosol tight lid facility.
- Rotor lid should come with Quick Lock facility for ease of use , and light weight rotors will be preferred.
- Should have short spin key, fast cool & stand by cooling option
- Facility to put “at set rpm” function, with ECO shut-off technology to reduce energy consumption and increase compressor life.
- Should have 10 acceleration & 10 breaking ramps for sensitive samples.
- More than 30 program memory
- Ability to spin 15 ml and 50 ml falcon tubes and oak-ridge tubes at 12100 rpm or more and 20130 x g or more with fixed angle rotor, an aerosol tight 30 X 1.5/2.0 ml tubes rotor (autoclavable), adapters for 0.6 ml tubes and 0.2 ml tubes
- Facility for min no of rotors with max no of adaptors should be provided.
- Should be approved from I<sub>V</sub>D (In Vitro Diagnostic)
- Should have facility to validate speed temp and time with certified device.
- Should have the standard of International safety parameter.
- Must have built-in condensation drain facility to eliminate water accumulation inside the chamber
- The Warranty must be 2 years followed by one year free service. Warranty and free service periods would be after the date of installation.

### **Minimum Rotors required :**

- 30 x 1.5/2.0 ml Fixed-angled Rotor with Max. RPM 14000 or more & RCF 20,800 x g.
- 6 x 85 ml Fixed-angled Rotor with Max. RPM 12000 & RCF 18,500 xg with adaptors for 15ml & 50 ml falcon tubes(6 each).

**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 two years of the equipment to be delivered. The lowest quotation however, does not depend upon the warranty period.
3. Special discount / rebate wherever admissible keeping in view of that the supplies is being made for educational purpose in respect of public institution of national importance may please be indicated
4. Validity of the quotation should be at least three months.
5. Vendors will do the installation and demonstration of the equipment at IIT Delhi premises without additional charges.
6. Taxes, terms and conditions should be clearly mentioned.
7. In the case the items are proprietary products of the company, a proprietary item certificate stating the same may be provided.
8. Specifications form should be similar to the given specifications sheet.
9. A compliance statement for required specifications should be attached.
10. Payment terms and conditions should be clearly mentioned. No advance payment is encouraged by IIT Delhi.
11. 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, with the company seal, 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.**