

**School of Biological Sciences  
Indian Institute of Technology Delhi**

07-10-2013

Sealed quotations are invited from reputed companies or their authorized representatives for supply of one no. of **floor model high speed refrigerated centrifuge**, conforming to the mentioned technical specifications (or superior than specified) and terms and conditions 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 should be marked as “Quotation for floor model refrigerated centrifuge” and addressed to Co-ordinator School of Biological Sciences, Attn. to **Dr. Bishwajit Kundu**, and submitted in the reception, School of Biological Sciences, Formerly IBM Building, Block -1A, Indian Institute of Technology Delhi, Hauz Khas, New Delhi – 110016 Latest by 4 pm on October 28, 2013.

**Technical specification for the floor model high speed refrigerated centrifuge**

1. Requirement is for a floor model high speed refrigerated centrifuge.
2. Max. Speed (RPM) : 20,000 rpm or more.
3. Requirement of g-force: 50,000 x g or higher.
4. Should have dynamic, electric brake with fast acceleration and deceleration profiles.
5. Temperature set range: -10°C to +40°C or better
6. Temperature Control Range: +2°C to +37°C at maximum rotor speed or better
7. Temperature Control Accuracy: +/- 1°C of set temperature (after stabilization) or better.
8. Speed Control Range: 500 rpm to 21,000 rpm or better.
9. Speed Control Accuracy +/- 100 rpm or or better.
10. Timer: Synchronous motor driven, 0 to 120 minutes with, HOLD provision, or better devise.
11. Should have CFC free refrigeration system.

12. The instrument should have the capability of using fixed angle rotor having capacity of 6 no's of 250 ml (or more) vials. It may be quoted as optional item.

13. The centrifuge should come with fixed angle rotor having capacity of holding 8 no's of 50 ml containers. Two sets of 50 ml tubes (16 no's) should come with the rotor. Sixteen no's of 50 ml closed cap suitable vials should come with the instrument.

14. The instrument must come with required capacity of Voltage stabilizer to run the system.

15. Warranty must be 2 years after installation and one year free service after the warranty period.

16. Price must be F.O.B Delhi.

### **Terms and conditions**

1. Letter from manufacturer specifically to quote for this tender is to be attached for authenticity of dealership/agency and dealer should be authorized service provider.
2. Vendor should get a fresh certificate from their principal's clearly mentioning about on site comprehensive warranty for two years after installation of the systems to be delivered.
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. Vendor should attach the relevant product brochure/leaflet for the model quoted and the offered technical specification must be supported by the printed brochure.
5. Validity of the quotation should be atleast 3 months.
6. Vendor will do the installation and demonstration of the machine without any extra cost at IIT Delhi premises.
7. Taxes, terms and conditions should be clearly mentioned.
8. Proprietary certificate must be included for the item, if applicable.
9. Valid agency certificate must be included, if applicable.
10. IIT Delhi has the right to accept or reject any quotations without showing reasons.

Dr. Bishwajit Kundu