

School of Biological Sciences
Indian Institute of Technology Delhi

16-01-2013

Sealed quotations are invited from reputed companies or their authorized representatives for supply of one unit of **BENCH TOP ULTRACENTRIFUGE** instrument, 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 Bench top ultracentrifuge” and addressed to The Coordinator School of Biological Sciences, Attn. to Dr. Tapan K. Chaudhuri, 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 4pm on February 4, 2013.

SPECS FOR BENCH TOP ULTRACENTRIFUGE

1. **The ultracentrifuge should be bench top model.**
2. **Max RPM; 1, 30,000 (or better)**
3. **Max Force; 1,000,000xg or better**
4. **Refrigeration System; Solid state, thermo electric temperature Control system with no coolant use.**
5. **Vacuum system; Moisture purging.**
6. **Should be able to handle volume in the range 200ul to 150 ml or better**
7. **Operating temperature range should be from 0 degree to 40 degree with 1 degree increment (or better).**
8. **Should be able to employ gravity max technology for Fixed Angle & Swinging Bucket Rotor to carryout analysis in different volumes without compromising G force and RPM**

9. Should be able to meet biosafety compliance for future

10. System should come with color screen & touch keypad operation for RMP/RCF/ Temp. / Vacuum display etc.

11. System should be able to accept Fixed Angle/Vertical Tube/Near Vertical &Swinging Bucket Rotors.

12. System should be able to perform the following application :

Rapid differential sedimentation (pelleting) of small particles such as subcellular organelles etc. Rapid contamination-free isopycnic isolation of plasmid DNA, RNA pelleting in 2-3 hours; subcellular fractionation in sucrose gradients, protein separations in sucrose gradients, Pelleting of subcellular fractions in 5-30 minutes; plasmid DNA separation in 3 hours.

13. System should come with following Rotors.

1. 6 x 30 ml (or larger), Fixed angle rotor Total volume: 180 ml(or more) having RPM: 50,000 (or more), Max. G-force: 220,000 (or more). The rotor should be able to accumulate 15ml; 27ml tubes without compromising RPM and G force also 10ml, 13.5ml, 6.5ml, and 4ml without compromising on RPM.
 2. 12 X 1.5ML,Fixed angle rotor Total volume 18ml having RPM :50000 , and Max g force : 180000 (or better)
14. The instrument should be capable of using swing bucket rotor of capacity 4 x 5 ml, and the rotor should be quoted as optional item.
15. The system should come with essential spares for operating the same.
16. System should come with suitable voltage stabilizer / UPS system.
17. System should come with 2 sets of adapters for accommodating 15ml, 25 ml, 10 ml, 6 and smaller volume tubes in the fixed angle rotor under 13 (1).
18. Warranty should be for 3 years after installation and 2 yrs free AMC after expiry of warranty period.

Necessary Terms and Conditions:

1. IIT Delhi is exempted from paying custom duty under notification No.51/96 (partially or fully) and necessary “Custom Duty Exemption Certificate” can be issued after providing following information.

- a) Shipping details i.e. Master Airway Bill No. and House Airway No. (if exists)
- b) Forwarder details i.e. Name, Contact No., etc.

Custom Duty Exemption Certificate will be issued to the shipment in the name of the Institute and Bills of Entry should be submitted to IIT Delhi later on.

2. Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.

3. IIT Delhi is exempted from paying Excise Duty and necessary Excise Duty Exemption Certificate will be provided for which following information are required.

- a) Quotation with details of Basic Price, Rate & Amount on which ED is applicable.
- 4. Imported items should be quoted on FOB basis (Freight on Board) and FOB price be provided.
- 5. Three years comprehensive warranty after installation must be provided and 2 years free AMC must be provided after completion of warranty period.
- 6. Indian agent should be enlisted with the Department of expenditure, Ministry of Finance, Govt. of India.

Payment Options

- Letter of Credit: 90% payment against shipping documents & balance 10% after satisfactory installation. For large purchase i.e. costing over Rs. 1 crore, 100% payment be made through LC.

Dr. Tapan K. Chaudhuri