



**DEPARTMENT OF BIOTECHNOLOGY**  
**Indian Institute of Technology, Madras, Chennai, 600 036,**  
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MUKESH DOBLE  
Professor and Head

Date: 30.10.2013

**Ref: BT/SMAH/2013/45/SPL**

**Dt. 30.10.13**

**Due Dt. 14.11.13**

1. Quotations are invited in duplicate for the various items shown below/overleaf/ enclosed list.
2. The quotations duly sealed and super scribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
3. The quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
4. If the item is under DGS & D Rate Contract, Rate Contract Number and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the rate contract price. If so, please send copy of the R.C. (Please note that we are not Direct Demanding Officers).
5. Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples if called for should be submitted free of charges and collected back at the supplier's expenses.
6. **Local Firms:** Quotations should be for free delivery to this Institute. If quotations are for Ex-Godown, delivery charges should be indicated separately.
7. **Firms outside Chennai:** Quotations should be for F.O.R Chennai. If F.O.R. Consigner stationer freight charges by passenger train/lorry transport must be indicated. If Ex-Godown, Packing, forwarding and freight charges must be indicated.
8. The rates of Sales/General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales/General Taxes will be admitted at any stage and on any ground whatsoever. **The taxes leviable should take into consideration that we are entitled to have concessional sales tax applicable to non-government educational institutions run with no profit motive for which a Concession. Sales tax certificates will be issued at the time of final settlement of the bill.**
9. Goods should be supplied carriage paid and insured.
10. Goods shall not be supplied without an official supply order.
11. **Payment:** Every attempt will be made to make payment within 30 days from the date of receipt of bill/acceptance of goods, whichever is later.

## **Compact versatile refrigerated microcentrifuge**

**Specification:**

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1. Maximum Speed of 25000xg/16000 rpm, with a brushless motor
2. Temperature range should be from -11°C to 40°C
3. Aerosol tightness of rotor should be certified by a third party agency
4. Instrument should be able to accommodate 48 number of 1.5/2ml tubes
5. Instrument should have an in-built condensate drain to prevent water accumulation
6. It should be possible to perform a fast pre-cooling of the instrument using a dedicated Fast Temp function
7. Speed setting should be possible in both rpm and rcf
8. Should possess a separate short spin key for brief spin
9. It should be possible to program compressor shut off after 1,2,4 or 8 hrs of non usage of the centrifuge
10. Instrument should have automatic rotor recognition facility to automatically recognize and set maximum speeds
11. Rotor lids should have a QuickLock-system for secure lid closing and opening
12. It should be possible to perform gentle acceleration and deceleration using dedicated key
13. It should be possible to operate the centrifuge at set rpm, for short spin protocols
14. Adapter for 0.2ml PCR tubes, set of 6

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**Head of the Department**