

DEPARTMENT OF BIOTECHNOLOGY Indian Institute of Technology, Madras, Chennai, 600 036,

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MUKESH DOBLE Professor and Head

Date: 17.01.2014

Ref: BT/SMAH/2013/87/SPL

Dt. 17.01.14

Due Dt.30.01.14

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.

HIGH SPEED FLOOR MODEL REFRIGERATED CENTRIFUGE WITH ROTORS AND ACCESSORIES

Specifications:

- Maximum Speed : 30,000 rpm or more
- Maximum g Force : 100,000 x g or more
- Control and Display : Microprocessor with Digital display
- Speed Control Accuracy : +/- 10 of set speed
- Temperature Range : 0° to 40° C
- Temperature Control : +/- 2° C of set temperature
- Accelerations/Decelerations rates : up to twelve or more rates
- Refrigeration System : Non-CFC Refrigeration technology
- Capacity : 4 litres or more
- Sound level : < 57 dba
- Ambient temperature range of operation : 35° C or more
- Power : 230 Volts, 50Hz, (Single Phase)

Other essential Features:

- DC Brushless Motor Air cooled Drive System or other current technology.
- Imbalance tolerant Drive.
- Automatic Run Recalls.
- Ergonomic design for ease of use.

Rotors:

Fixed Angle:

- Capacity : 8 x 50 ml Maximum Speed : 30,000 RCF : 100,000 g or more **10 ml and 1.5 ml adaptors for 8 x 50 ml rotor to SPIN at 30,000 RPM**.
- 2. Capacity : 4 x 1000 ml Maximum Speed : 9,000 RPM or more. RCF : 16,800 g or more.

Swinging Bucket:

- Capacity : 6 x 15 ml Maximum Speed : 24,000 RPM or more. RCF : 110,000 g or more.
- 4. Capacity : 6 x 38.5 ml Maximum Speed : 24,000 RPM or more. RCF : 100,000 g or more.

Important Note:

- Required tubes and bottles for each rotor to be offered separately as optional items.
- Commitment for the supply of Complete Instruction, Service Manuals with Circuit diagrams and engineering details (including Refrigeration) to be supplied along with the system. Commitment to be made in the offer.
- List of essential Spares parts required for the trouble Free Operation of the system during and after warranty to be given separately. (List to be attached).
- List of users in India (for the offered model) with Addresses, e-mail id's and contact phone numbers should be enclosed separately.

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Head of the Department