Department of Chemistry
Indian Institute of Technology Kanpur

Enquiry No: CHM/BS/07
Enquiry Date: 17-02-2015
Closing Date: 09-03-2015

Dear Sir or Madam: Quotations are invited for "Refrigerated & Heating Circulator"

Technical specifications for Refrigerated and Heating circulator

- Temperature range : -45° to +200°C
- Temperature Stability : +/- 0.01 °C
- Temperature Control : Self tuning PID control
- Display resolution : 0.01
- Pressure Pump : 20 LPM /470 mbar
- Suction Pump : 14LPM/330 mbar
- Pumping Speed : Adjustable – 3 steps
- Cooling capacity : 1100 W at +20° C
  250 W at -40 ° C
- Refrigerant : CFC FREE R 407a
- Filling volume : 6-8 liters
- Power Supply : 230 V / 50 Hz
- Compliance : RoHS
- 5 pre set temperature points
- Low Liquid protection
- Low & High Temperature Alarm
- Remote sensor & multifunction port
- RS 232 / RS 485 / Ethernet / LAN connection possibility
- Auto start after resumption of the power supply
- Accoustic & Audible alarm indication
- Fluid selection with predefined temperature limits
- Ramp Program
- On /Off Timer
- Real Time clock

Terms and Conditions:

1. **Prices should be upto IIT Kanpur including packing and forwarding, insurance and fright.**
2. **Prices offered should be free delivery to**

   A. IITK, Kanpur or

   B. CIF, New Delhi or,

   C. If item is imported then firm should quote the price on F. O. B. basis, pick up by our world wide transport provider

3. **Prices should include transportation, installation and maintenance for 3 year from the date of installation at free of cost, which includes all manufacturing flaws.**
4. **Proprietary / Dealership certificate, if any.**
5. **Minimum 3 years warranty.**
6. **Validity of quotation should be at least for 90 days.**
7. **Maximum educational discount.**
8. **Other specification according to the above technical requirements including commercial bids.**

Kindly mention **"Refrigerated & Heating Circulator (CHM/BS/07)"** on sealed envelope-carrying quotation, literature and send your best offer so as to reach us on before Mar 1st , 2015 to the following address.

Dr. Basker Sundararaju

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