



Indian Institute of Technology
Department of Biological Sciences and Bioengineering
Kanpur 208 016, INDIA

Dr Ashok Kumar

Associate Professor

Tel: +91-512-259-4051

Fax: +91-512-259-4010

Email: ashokkum@iitk.ac.in

Date: 20-12-2011

Closing Date: 29-12-2011

Reference: PG Research/CESE/AK/01

Subject: Request for submission of quotation/tender for Lyophilizer (freeze drier).

Please send a sealed quotation for Lyophilizer for our laboratory at Center for Environmental Sciences and Engineering (CESE), Indian Institute of Technology Kanpur (IIT K) with specification and requirement as given below. The quotations should include taxes, warranty, educational discounts if any, freight and delivery. The quotation should reach our office at below mentioned address on or before **29.12.2011**.

LYOPHILIZER

SPECIFICATIONS

- With cold trap temperature of -80°C or below
- Model: Floor, Heavy duty castor wheels for easy movement.
- Drying chamber size: 300mm (H) X 300mm (L) X 350mm (D) made of thick Gauge 304 Grade, Non magnetic stainless steel
- Front Door made of thick gauge acrylic.
- Front loading trays (No. of trays: 5Nos or more)
- One tray accommodate 6Nos (2 X 3 Rows) Petri dishes of 100 Dia
- Loading Capacity: 30 Nos or more at a time
- Cold trap size: 350mm depth X 250 dia, cylindrical, made of thick Gauge 304 grade stainless steel, front panel made of acrylic (visible).
- Built in Vacuum Pump: 2 stage direct drive, 350 ltrs per minute.
- Vacuum Indication: Digital Pirani Gauge; Vacuum Level: Up to 0.001 mbar.
- Instrumentation: Microprocessor based temperature controller; Sensor: PT 100
- Controls: Refrigeration on/off, Vacuum on/off.
- Inner and Outer made of stainless steel and SS Working Top, with removable side panels
- Built in CFC free cascade refrigeration system
- Operating Voltage: 220-240 V, 50 Hz.

Dr. Ashok Kumar

Department of Biological Sciences and Bioengineering

Indian Institute of Technology Kanpur, Kanpur-208016, UP, India