

**INDIAN INSTITUTE OF TECHNOLOGY - KANPUR  
DEPARTMENT OF BIOLOGICAL SCIENCES & BIOENGINEERING**

Enquiry Number: IITK/BSBE/AKS/NC/2014-15/12, dated: 25-4-2015

**SUBJECT: INQUIRY FOR THE SUPPLY OF A CO2 INCUBATOR**

Opening date: April 27<sup>th</sup>, 2015 at 10:00 AM

Closing date: May 08<sup>st</sup>, 2015 at 5:00 PM

Sealed quotes (technical bid and price bid separately sealed) are invited for the above mentioned laboratory products as per the specifications given in the next page.

Your quote should mention/include the following:

- Maximum discount if any should be offered and mentioned.
- Quoted price should include the cost for installation, warranty and required accessories
- (See below).
- Validity of the quote at least for 90 days.
- FOB (indicating port of shipment) and CIF (New Delhi) values should be quoted separately if import is required. For quotes in INR, the price quote should be for delivery at Kanpur.
- The quote should cover insurance for transport up to Kanpur.
- Indian agency commission if applicable (should be certified by the principal if no agency commission is applicable) in case of import.
- Authorization certificate from the principal if you are a local agent.
- Terms and conditions for the payment, including the banker's name of the principal and the account number, if any, for electronic transfer.
- Include proprietary item certificate if applicable.
- Technical literature to support your product (in technical bid).
- Users' list with contact address in technical bid.

Note: Only principal manufacturers or authorized representatives are requested to send the quote along with proper certificates. The envelope should be marked as "**Quotation for cell culture CO2 Incubator**".

Dr. Arun K Shukla  
Department of Biological Sciences & Bioengineering  
Indian Institute of Technology,  
Kanpur 208016 (UP)

## **Cell Culture CO2 incubator [Quantity: 1]**

### **Essential components and features:**

- Interior volume: 180 liters or more.
- Temperature range: 5°C above ambient to 50°C.
- CO2 control: 0-20%; control range better than  $\pm 0.1\%$ , measures with T/C sensor.  
Humidity: Around 95% @ 37°C.
- Stainless steel shelves and supports in the chamber should be readily removable for easy cleaning, autoclaving or adjustment.
- Curved chamber corners to eliminate the corners and crevices that are difficult to clean and harbor contamination.
- Polished stainless steel chamber to provide a smooth, easy to clean surface.
- Field reversible inner and outer doors so that the unit can be easily configured for use at either end of the lab.
- Fan assisted mechanical convection to directed air flow to provide quicker temperature recovery during normal operation and sterilization to provide better uniformity of Temperature, CO2 concentration & humidity
- Heat sterilization cycle of 140°C for 12 hours to kill all organisms within the chamber; "Overnight" cycle operation made possible by total cycle time of 12 hours.
- Sterilization cycle should not include the replacement or capping of CO2 Sensor to insure the complete sterilization of incubator.
- System should require access code to initiate decontamination cycle thereby preventing accidental initiation of the cycle.
- One hundred percent filtration of chamber air every 60 seconds to clean room particulate and air borne contamination to class 100 air quality standards thereby providing constant protection against contaminations.
- Microprocessors control/monitoring system with displays for temperature and CO2. and alphanumeric message centre which is easy to read, and easy to program with constant display of operating parameters and alphanumeric status messages
- Units should be stackable with stacking brackets included to maximize lab space

**The incubator should be UL listed, CSA certified and CE marked.**

Double stage gas regulator for CO<sub>2</sub> release, CO<sub>2</sub> cylinder and appropriate voltage stabilizer should be included in the quotation.

**Warranty and AMC:** Minimum one year warranty and additional two year AMC should be included in the quotation.

**Important: Please attach a summary table to highlight the compatibility of your set-up against specific features mentioned here. Absent this table, quotations will not be considered.**

**Vendors submitted the quotations should have several installations in and around Kanpur and must have service center at Kanpur/Lucknow area.**