

# Indian Institute of Technology Kanpur

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**Enquiry No: IITK/CHM/AKP/2018/04**

**Opening Date: January 16, 2018; 10 AM**

**Closing Date: February 12, 2018; 5 PM**

**Subject: Quotation for supply of CO<sub>2</sub> Incubator**

Dear Sir/Madam:

Sealed quotes are invited for the supply of **CO<sub>2</sub> Incubator**, as per the specifications given below.

The prospective suppliers are required to send quotation in sealed envelopes. The detailed technical specification, standard/special features of the product being offered should be clearly highlighted. The offered price include the detailed itemized price quotation clearly mentioning the cost of the equipment, applicable discount, taxes, service charges if any, shipping and handling charges.

**Technical Specifications for CO<sub>2</sub> Incubator and related accessories:**

The specification mentioned below is preferred. Any equivalent or better specifications shall be mentioned in detail for consideration.

The following criteria must be met:

- Capacity: Minimum 170 Litre, 6 cu.ft.
- Fanless, six-sided direct heating with seamless chamber.
- Unique IR sensor for CO<sub>2</sub> measurement.
- Sealed inner glass door for atmosphere conservation, RS-232 Communication port with 25 mm access port stackable up to 2 units high.
- Large volume humidification pan with dedicated independent heater.
- HEPA filtration of gas supply inlets to minimize contamination risk.
- 4 position shelving rack with 4 shelves
- High temperature disinfection: 120 °C 4 hour cycle, CO<sub>2</sub> sensor remains in the chamber ensures a clean and disinfected environment for cell culture.

- Temperature Management: Range: 4° C above ambient to 50° C, Control:  $\pm 0.1$  ° C Stability  $\pm 0.1$  ° C, uniformity less than or equal to 0.4 °C
- CO<sub>2</sub> gas management Range: 0.2 to 20%, control +/- 0.1%, Stability +/- 0.2%, uniformity +/- 0.1%, Recovery: (90% set point) 0.7% / minute, Connections: 6 mm tubing, gas service pressure 0.35bar/ 5 PSI
- Humidity: Reservoir: removable SS pan, volume, 2.5lts, RH (37 °C) up to 95%
- Electrical: 220 - 240 volts, 50/60 Hz
- Power: 500 W, power with high temperature 1000 W
- Consumption to 37 °C; < 0.08 KWH
- 9 Kg or higher capacity CO<sub>2</sub> Cylinder (**included in the offer**)
- CO<sub>2</sub> gas Regulator (**included in the offer**)
- Servo Controlled Stabilizer (**included in the offer**)

**Your quote should mention/include the following:**

- Validity at least for 60 day. Delivery time 60-90 days.
- Warranty preferably for 2 years.
- Mention F.O.R. Destination or C.I.F (New Delhi) prices separately if requires import.
- The quote should cover insurance and transport up to Kanpur.
- Quotation should carry proper certifications like agency certificate, proprietary certificate, etc.
- Terms and conditions for the payment, including the banker's name of the principal and the account number, if any, for electronic transfer.
- Technical literature to support your product.
- Users' list with contact address.

Concessional rate of GST (@5%) will be applicable with reference to Notification No. 45/2017-Central Tax (Rate) dated 14/11/2017. We will provide relevant certificate for this purpose. On import items for research purpose presently the GST applicable is 0% (zero). DSIR certificate alongwith CDEC has to be submitted for availing concession. Vendor should use these GST rates in their quotation.

- IITK has exemption on excise and custom duty. Suitable certificate would be provided if required by the supplier.

The quote should reach the undersigned on or before **12<sup>th</sup> February, 2018**. The envelope should be marked as **“Quote for the supply of CO<sub>2</sub> Incubator”**

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