



DEPARTMENT OF BIOTECHNOLOGY
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Dr,D.Karunagaran

DUE DT: 11/06/2018

Professor and Head

DT: 21/05/2018

DUE DT: 11/06/2018

Ref: BT/GUHA/2018/006/SPL

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

Specifications for CO₂ incubator

Chamber volume: 100 – 200 L

Chamber material: Stainless steel

Cabinet material: Steel

Shelf material: Stainless steel; perforated

Number of shelves: 4 or more; removable

Display: LED/ LCD/ Touchscreen

Sealed inner glass door

Rounded corners

Temperature control:

Mode: Direct heat; Air jacketed

Temperature control:

Range: Ambient +5 C to 50 C

Temperature control: Digital microprocessor PID

Temperature accuracy and resolution: 0.1 C

Temperature Uniformity: 0.3 C or less

Humidification:

Method: Natural evaporation

Water Pan: Stainless steel; Removable;

Relative Humidity Range: Up to 95%

Accuracy: $\pm 5\%$

CO₂ system:

CO₂ sensor: Infrared

CO₂ control: Microprocessor/ digital

CO₂ range: 0 to 20%

CO₂ uniformity/ accuracy: 0.1%

CO₂ resolution: 0.1%

CO₂ recovery rate: 5 minutes or less

Contamination control:

Interior surface: Copper- enriched stainless steel or anti-microbial coating (optional)

Ozone-free UV lamp (optional)

Filter for gas inlet: 0.3 micron; 99.97% efficiency

Alarms:

Over-temperature

CO₂ level deviation

Temperature deviation

Low water level

Door ajar

Others:

Certification: CE, UL

Should have supplied to IIT Madras before or provide a reference from a reputed lab in Chennai

Should have international supply and service

Should have service in Chennai

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