



DEPARTMENT OF BIOTECHNOLOGY
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Dr,D.Karunagaran

DUE DT: 15/06/2018

Professor and Head

DT: 25/05/2018

DUE DT: 15/06/2018

Ref: BT/GUHA/2018/011/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

Bio-safety cabinet

Specification

Class II type A2 cabinet

Construction

should be made of stainless steel [(304 grade)- Heavy gauge- 16 G]

Length should be 1260mm

Leak-tight stainless steel interior

Fully closable, motorized sash provides an airtight seal for better safety when the cabinet is inoperative overnight

Built-in interval or elapsed timer for experiment monitoring, fluorescent light and UV light control (on models with UV light)

HEPA filters should be MINIPLEAT with 99.99% efficiency for 0.3 micron with integral metal guards & filter frame gaskets and manufactured in class 1000 super clean air conditioned environment for longer life.

ULPA Filter with 99.999% efficiency (optional)

Down flow air sensor mounted in interior

Positive pressure chambers and ducts are surrounded by negative pressure eliminating potential leaks

Microprocessor Controller

Inflow (105 fpm) and downflow (60fpm) velocity

Illumination

UV lamp operates on programmable timer

Illumination is greater than 800lux

Combined inflow/down flow fans

Others

Must have status line for alarm conditions and alerts to warn when filter life diminishes to 20%, 10% and 0%

Average air flow should be 90 ± 20 fpm (down flow).

LCD display

Noise Level should be less than 54 db

Extremely low energy consumption (190 Watt) for environmentally-conscious operation

Regulatory compliance: CE, EU

Reliable performance backed by journal papers

Should have international supply and service

Should have supplied to IIT Madras before or should be able to give a satisfactory demonstration of the product or a reference from a reputed lab in Chennai

Should have service in Chennai.

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