



DEPARTMENT OF BIOTECHNOLOGY
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Professor S.MAHALINGAM

Date: 05.09.2018

Ref: BT/SMAH/2018/025/SPL

Dt. 05.09.18

Due Dt. 26.09.18

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.

ULTRA LOW TEMPERATURE FREEZER (VERTICAL TYPE)

Specifications:

Quantity: 3nos.

1. Should have the minimum capacity of 525 Litre for storing for various tube format.
2. The system should have optional facility for CO₂ and LN₂ backup systems
3. The system should have provision for software to control & monitor up to 30 freezers simultaneously
4. Should be able to store 2 ml vials minimum of 33000.
5. Programmable Temp. Range from -50 to -86°C in increment of 1°C. should have two compressor.
6. Pull down Time should be lesser than 6 hours.
7. Power consumption should be lesser than 14 Kwh per day
8. System Monitoring & Reporting Technology Software built –In for fault diagnosis or set point variance
9. Complete stainless steel interiors with large LED display.
10. Should have very thin vacuum insulation panel (V.I.P. Panel). Thickness should not be higher than 80mm.
11. Heated air Vent to prevent vacuum formation.
12. Non- Volatile memory & Auto re-start with Battery Backup
13. Password protection for temp. & alarm set-points.
14. Three Compartments with insulated doors and with Stainless steel shelves.
15. It should be CFC Free and HCFC free refrigerants with biodegradable oil compressor
16. The freezer should be CE and UL certified.
17. Should be very compact size with less than 85 cm width.
18. Should be quoted with 5 KVA servo controlled stabilizer.
19. Should be quoted with Stainless steel racks for full freezer capacity.
20. Two inch card board boxes should be quoted for full freezer capacity.

General Conditions:

1. The bidder must have supplied, installed and integrated at least five similar systems across India, preferably in IIT Madras/other IITs/ R&D labs. Please provide a list of your installations.
2. Clearly indicate the taxes and any other duties (approximate, if exact value not known) in your quotation.
3. Quotation to be submitted for two bid system and it must have a validity period of at least 60 days.
4. The period of warranty will be for one year (comprehensive on-site) from the date of acceptance.