



DEPARTMENT OF BIOTECHNOLOGY

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Date: 4th Jan 2021

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Ref: BT/GUHA/2020/010/SPL

Due Dt. 25th Jan 2021

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 liveable 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.

Preparation of Bids: - The Limited tenders should be submitted under Two bid system (i.e.) Technical- and -Financial bid.

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.

WATER PURIFICATION SYSTEM TECHNICAL SPECIFICATIONS

Single table top Water Purification System should be capable of producing Type I water with the help of DI Module, UV Oxidizer and final filter 0.2µm.

FEED WATER SPECIFICATIONS:

The Feed water to the Water Purification System should have the following Specifications

- Feed conductivity : <20 µS/cm

ULTRAPURE SYSTEM SHOULD HAVE FOLLOWING:

- System should be Integrated, Table top, RO water feed system.
- Should have DI module for removal of ion in water
- System should have in-built booster pump to bring feed water to the system
- System should have polishing unit to remove Endotoxins / Pyrogens, Dnase, RNase in water
- Final dispenser should have 0.2µm charged sterile filter, which should be autoclavable
- System should exceed all reagent water quality standards including ASTM Type 1, CLSI and ISO 3696 Type I

Type I Water with following specifications:

- Flowrate 1.2 – 1.5 LPM
- Conductivity : 0.055 µS/cm
- Resistivity : 18.2 MΩ-cm
- TOC : 1-5 ppb
- Bacteria : <1 cfu/ml
- Endotoxins : 0.001 Eu/ml
- Particles >0.2µm : <1 per/ml

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