

Department of Physics
University of Kerala, Thiruvananthapuram- 695 581

PHY/25/2019

12/04/2019

Quotation Notice

Department of Physics, University of Kerala, Thiruvananthapuram invites quotations for the purchase of a Freeze dryer having the following specifications.

Specifications for the freeze dryer

Condenser:

- Condenser capacity: 3 - 5 kg
- Should be capable to lyophilize samples in aqueous medium as well as in organic solvents.
- Condenser temperature: -50 °C or better
- Ice condensation chamber with high quality stainless steel inner condenser coils and drain valve for easy and quick cleaning.
- Condenser should have sufficient condenser area in order to avoid overload caused by too much vapour.
- Refrigeration Compression Type: CFC free refrigeration with suitable safety device.

Freeze dryer chamber:

- Should have in built pre-freezing unit with tray.
- Drying Chamber should be of Transparent with tray dimension 200 – 250 mm and have minimum 4 layers.
- Should have LCD display to show display curve.

Vacuum pump:

- Vacuum degree: < 10 Pa
- Should be of high-quality corrosion resistant material and have thermal protection.
- System should have digital display of condenser temperature, sample temperature and vacuum for the possible range of operation.

Quotes should be inclusive of the cost, freight, taxes, etc. Terms and conditions of warranty should be clearly mentioned. The items should be delivered at the Department of Physics University of Kerala.

Please quote the lowest price for the above item.

The quotations should reach "**Department of Physics, University of Kerala, Kariavattom, Thiruvananthapuram, Pin- 695 581, Kerala**" on or before 20/04/2019 3 PM

Sd/-

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Thiruvananthapuram