

**Office of the Dean Research and Development  
Indian Institute of Engineering Science & Technology (IEST), Shibpur  
Howrah-711 103**

**Project Code: DRC/CCRH/CHST/AB/12/17-18**

**Centre for Healthcare Science and Technology,  
Indian Institute of Engineering Science and technology, Shibpur  
Howrah-711 103**

**Ref.: Advt. No. CHST 1325, dated 15.01.2018**

**Notice Inviting Quotations**

Sealed quotations are invited for the supply of Following Instruments

**Freeze dryer**

The invitation is valid for 07 working days from the date of publication of this notice.

**(A. Code DRC- T108/17-18)**

**Dean (R & D)**

## **SECTION I: TERMS & CONDITIONS**

1. The last date of receipt of quotation is valid for **10 working days** from the date of publication of this notice. Quotations received later will not be entertained under any circumstances.
2. Potential supplier are to submit the quotations in Sealed Cover to the Centre of Excellence for Green Energy & Sensor Systems in the following address:

**1. Dr. A. Barui**  
**CHST**  
**IEST, Shibpur**  
**Howrah-711103, India**

Item name must be mentioned on cover.

3. The price quoted should be inclusive of all Taxes in INR, duties and levies. Inclusion of Tax/Levy at a latter stage will not be accepted. Freight, Insurance charges should be clearly indicated. If GST is chargeable then price quoted should be inclusive of GST in INR.
4. Vendor should have proven track record of supply in IEST, IIT, NIT, IISc.
5. Commercial Papers duly signed & must be attached.

## **SECTION II: Specifications:**

<i>Name of Instrument</i>	<i>Specification</i>	<i>Quantity</i>
Freeze dryer	<ul style="list-style-type: none"><li>• Type: Table top type</li><li>• Ice Condenser Temp: -55°C</li><li>• Vacuum Degree: &lt;10Pa</li><li>• Water Capture Capacity: 3kg/24h</li><li>• Freeze drying time: 24h</li><li>• Freeze drying area: 0.12 ~ 0.18m<sup>2</sup></li><li>• Material Loading Capacity: 1200ml</li><li>• Material Loading: 300ml Capacity/Shelf</li><li>• Tray Specification (Φ*h): Φ200*15</li><li>• Quantity of tray: 4~ 6 pcs</li><li>• Multi-pipeline and bottles: 8pcs</li><li>• Consumption: 1000W</li><li>• Power Supply: 220V, 50HZ</li><li>• External Size (W*D*H): 582*625*530/960mm</li><li>• Gross Weight: 100~110Kg</li></ul> <p>Standard Accessories Main Body x1 pc, Vacuum Pump x1 pc,</p> <ul style="list-style-type: none"><li>• The 7' LCD Display panel with display for trap temperature, vacuum and any error message.</li><li>• With historical data inquiry function.</li><li>• The machine is equipped with USB interface on control panel.</li><li>• Large capacity Ice condenser. trap and without coil inside.</li><li>• Cascade refrigeration technology.</li><li>• The pre-freeze shelf can be used as guide barrel to speed up the drying rate.</li><li>• Ice condenser trap and operation panel are made by stainless steel.</li><li>• Drying cabinet is transparent which is visual and safe.</li><li>• The shelves are stainless steel which can be adjustable per requirement.</li><li>• CE Certified</li></ul> <p>Manifold Drying Cabinet x1 pc, Extra Accessories: 8 Freeze Drying Flasks Warranty 3 years</p>	1