

## **School of Biological Sciences Indian Institute of Technology Delhi**

26-11-2015

Sealed quotations are invited for the purchase of two (2) units of “Vertical -20°C freezer” in the School of Biological Sciences from the PLN03/EBSC budget head with the following specifications and terms and conditions. Interested parties are requested to submit their sealed quotations in an envelope containing the financial and technical bids in separate sealed envelopes inside. The NIQ should be marked as “Quotation for Vertical -20°C freezer” and addressed to Co-ordinator School of Biological Sciences, Attn. to Prof. Tapan K. Chauhduri, and submitted in the reception, School of Biological Sciences, Formerly IBM Building, Block -1A, Indian Institute of technology Delhi, Hauz Khas, New Delhi – 110016 Latest by 4pm on December 11, 2015.

### **Specification of -20 °C Freezer**

- The required item is : -20 °C Freezer
- Type of freezer required: Vertical
- Interior Construction Material : High Impact Polystyrene.
- Storage Volume In the volume range of 230-250 Liters
- Temperature Range -18<sup>0</sup>C to -25<sup>0</sup>C @ 15<sup>0</sup>C to 32<sup>0</sup>C Ambient
- Current Supply 16 Amps/230v± 10% Volt while operating
- Certification CE, EN ISO 13485, ISO 9001-2008
- Refrigeration System Vapor compression system
- Compressor / Number 1/4 HP Hermetic Compressor / 1
- Condenser Type/Number Finned-Tube and air cooled by natural convection
- Refrigerant Environmentally Safe R600a (Hydrocarbon) or equivalent
  
- Door lock & Door ajar alarm Required
- Adjustable audio/visual alarms Required
- Remote alarm contacts Required
- Electronic Power Switch control panel Required and should be on the
- Controller Type Digital display, Automatic defrost system,  
Dry contact for alarms
- Compressor Safe Guard High Temp cut-out
- Control Sensor NTC sensor
- Remote Alarm Terminals Required
- Digital Data logger There should be option for wireless data  
Monitoring and Logging system.
  
- Insulation Cyclo pentane foam or better
- Shelves / Capacity 3 shelves, 2 baskets
- Access port Should be present in the unit

- Energy Consumption 1.33 KW-HR/Day or better
- Heat Rejection 189.5 BTU/Hr or better
- Suitable voltage stabilizer should come with each unit of freezer.

### **Terms and conditions**

1. Letter from manufacturer specifically to quote for this tender is to be attached for authenticity of dealership/agency and dealer should be authorized service provider.
2. Vendor should get a fresh certificate from their principal's clearly mentioning about on site comprehensive warranty for two years after installation of the systems to be delivered.
3. Special discount/rebate wherever admissible keeping in view of that the supplies is being made for Educational purpose in respect of public institution of national importance may please be indicated.
4. Vendor should attach the relevant product brochure/leaflet for the model quoted and the offered technical specification must be supported by the printed brochure.
5. Validity of the quotation should be atleast 3 months.
6. Vendor will do the installation and demonstration of the machine without any extra cost at IIT Delhi premises.
7. Taxes, terms and conditions should be clearly mentioned.
8. Proprietary certificate must be included for the item, if applicable.
9. Valid agency certificate must be included, if applicable.
10. IIT Delhi has the right to accept or reject any quotations without showing reasons.

**(Prof. Tapan K. Chaudhuri)**

**School of Biological Sciences,**

**Indian Institute of technology Delhi, Hauz Khas, New Delhi-110016**

