

August 27, 2015

NIQ for -80 deep freezer

Sealed quotations are invited for the supply of a **vertical -80 deep freezer** to the Department of Biochemical Engineering and Biotechnology. The technical specifications for the ultra low temperature deep freezer are given below.

Required Specifications:

1. System should be upright with a capacity of 100-125 liters and operating temperature upto – 85°C with 1°C increment.
2. Fully programmable microprocessor controlled keypad.
3. System should have Vacuum insulation panel combined with polyurethane foam.
4. System should have stainless steel interior and powder coated exterior finish.
5. Freezer with less power consumption will be preferred <10.0 kWh/day.
6. Freezer should have least pull down time from ambient to – 85 °C < 4hrs.
7. Freezer should hold minimum of 50 no's of 2"boxes.
8. Freezer should have insulated doors giving access to shelves. Must come with 1 adjustable shelf to make 2 inner compartments.
9. Freezers should have heated air vent and air filter.
10. Heavy duty lockable castors and lockable outer doors.
11. Freezer must have battery back-up and a security lock for unauthorized tempering.
12. Audible and visible alarms for temperature, power failure, system failure, battery low etc.
13. Freezer must have bright easily read backlit LCD display and on screen system messaging – displays set points as well as alarms and operating conditions.
14. Freezer must use CFC-FREE, HCFC-FREE nonflammable refrigerants.
15. International certification will be desirable.
16. The above system should be supplied along with CO₂ Backup system with CO₂ Cylinder & dip tube to maintain freezer temperature between -50 to -70° C during power outage.
17. All vendors are requested to attach original technical literature/ catalogue in support of the mentioned specifications & highlight the above features.
18. The vendor should enclosed user list of the same machine supplied to various reputed institutes/research labs/ICAR/CSIR institutes throughout India.

Terms and conditions:

1. The machine should be warranted for 12 months & both the compressors for 60 months.

General instructions:

1. Letter from the manufacturer specifically to quote for this tender is to be attached for authenticity of dealership/agency, and the dealer should be authorized service provider.
2. Vendor should get a fresh certificate directly from their product principals, clearly mentioning warranty on the systems to be delivered. The lowest quotation however, does not depend upon the warranty period.
3. Special discount/rebate wherever admissible, keeping in view that the supplies made for educational purposes in respect of the public institution of national importance may please be indicated.
4. Vendors should attach the relevant product brochures for the model quoted.
5. Validity of the quotation should be at least three months.
6. Vendors will do the installation and demonstration of the equipment at IIT Delhi premises without additional charges.
7. Taxes, terms and conditions should be clearly mentioned.
8. In the case the items are proprietary products of the company, a proprietary item certificate stating the same may be provided.
9. Specifications form should be similar to the given specifications sheet.
10. A compliance statement for required specifications should be attached.
11. Payment terms and conditions should be clearly mentioned. No advance payment is encouraged by IIT Delhi.
12. Firm MUST provide a compliance statement vis-à-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature with clear reference of page number, paragraph or lines. This statement must be signed by the tendered for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification of the tender. The quotation should be complete in all respects (as per IIT-Delhi rules).

The Institute/purchase committee has the right to accept or reject any bid or all quotations without assigning any reason whatsoever.

Sealed quotations in separate envelopes of Technical and Commercial bids kept in one sealed outer envelope (super-scribed “**Quotation for -80 deep freezer**”) should be addressed to **Dr. Preeti Srivastava, Department of Biochemical Engineering and Biotechnology, IIT-Delhi, Hauz Khas,**

New Delhi 110016 and should reach the Department of Biochemical Engineering and Biotechnology, IIT-Delhi by 3.00 pm by September 10, 2015.