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NITRR/S&P/BT/DST-SERB/2017/1437

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//Corrigendum//

As published in tender document for Limited tender no NITRR/S&P/BT/DST-SERB/LT/2017/1372 Dt: 05/09/2017 of Biotechnology Department under DST-SERB Project, the specification of equipment has been revised & can be downloaded from institute's website i.e. www.nitrr.ac.in.

All other terms & conditions of tender document will remain unchanged.

Registrar
NIT Raipur

Specification for Deep freezer - 80°C

Upright Freezer, -86°C, Ultra low Temperature with High Density Polyurethane Foam insulation, R-30, 230V, 50Hz.

Technical Specification:

- Capacity 350L or more
- Temperature Range: Programmable temp. Range from -50°C to -86°C
- Cascade Refrigeration: Hermetically sealed two stage cascade system with capacity to cope in high ambient temperature conditions.
- Insulation: Poly urethane foam, 5", 4.5" in door
- Chamber: latch able inner door to minimize cold air loss when external door is opened and reduce power consumption to maintain temperature.
- 1-min Door Opening Recovery to -75°C – 23 min.
- Durable Steel interior with Four (4) Inner doors.
- Each compartment is well equipped with insulated inner door and magnetic lock
- Heavy-duty dual wheel swivel locking casters.
- Automatic voltage compensator responds to high and low voltages
- Powder coat paint for a durable surface
- Service valves provided to allow easy recovery of refrigerants and field servicing.
- Front to back airflow with Removable, cleanable air filter
- Hinged grill swings out for easy access to filter and battery
- A vacuum relief port allows easy re-entry after door openings
- 4" open x 12" long heavy duty hinge for ensuring positive closure and uninterrupted service

TEMPERATURE CONTROL

- The microprocessor controller must monitor in one degree C increments, with digital display.
- Eye Level Information center for At-a-Glance Monitoring
- Temperature probe must be positioned to insure the alarm sounds before the stored product can be affected by a rise in temperature.
- Battery back-up for the alarm monitoring system
- Both visual and audible alarms must alert operator of over and under temperature, power fail, door ajar, and low battery conditions.

CERTIFICATIONS

- CE Mark
- Manufactured by an ISO-9001 company
- Temperature Backup: Optional Co2 and Ln2 Backup are available.