

-80 °C Deep Freezer – 1No.
Doc. No: ST/12/-80°Deep Freezer /2016-17/34

Proposed Application

1. Storage of human biological samples till analysis (plasma, serum, whole blood and tissues homogenates)
2. Long term storage till they are further processed, analyzed for molecular studies.

Specifications:

Temp. Range	: -70°C to -80°C
Capacity	: 500 lts
Temperature Display	: Digital LED / LCD
Refrigerant	: CFC free (please specify the refrigerant used)
Insulation	: Vacuum panel insulation
Inner shelves	: Stainless steel
Power requirement	: 220 VAC, 50Hz
Ambient Temp. of operation	: 32°C or more
Pressure equalization	: through vacuum relief port
Quality standards	: UL listing CSA certificate, CE mark & ISO class – II Biomedical Certificate.

Safety alarm:

- Under voltage / over voltage protection
 - Overload protection
 - Temperature alarm beyond set point
 - Power failure alarm
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1. Literatures of the offered models should accompany the quotations
 2. List of users to be provided for similar model of freezers supplied
 3. Indicate local service support available in Hyderabad with time of responses for a service call during warranty (should be within 24 hrs)
 4. Availability of spares in India like compressors, gases, PCBs etc. should be specified
 5. Warranty of 3 years comprehensive and 2 years non comprehensive AMC should be offered
 6. Any other items required to make the system complete.