

Laboratory Deep Freezer (-80 °C)

SN	Purchaser's Specifications	Bidder's Compliance Sheet			
		Yes	No	Page No. in Catalogue	Remarks
	Laboratory Deep Freezer (-80 °C)				
	Manufacturer				
	Brand				
	Type/Model				
	Country of Origin				
1	Description of Function				
1.1	Deep Freezers or Laboratory freezers are required to preserve blood and blood products, vaccines, plasma etc. at specified temperatures.				
2	Operational Requirements				
2.1	Microprocessor controlled deep Freezer				
2.2	User friendly, non-CFC refrigerant				
3	System Configuration				
3.1	Ultra Low Deep Freezer (-80 °C):				
	CFC free refrigerant				
	Microprocessor controlled				
	Alarm facility				
4	Technical Specifications				
4.1	A microprocessor controlled -80 °C deep freezer.				
4.2	Capacity: Minimum 250 litres.				
4.3	Refrigeration system:				
	CFC-free refrigerant cooling system				
4.4	Freezer construction:				
	Outer panels and interior panels shall be made of corrosion resistant material, preferably stainless steel.				
4.5	Door:				
	Locking door supplied with minimum two keys.				
4.6	Insulation:				
	High density polyurethane foam.				
4.7	Castors:				
	High quality lockable castors for easy mobility.				
4.8	Trays:				
	Adjustable trays (preferably stainless steel) with perforated design. (Bidder to indicate the number of tray offered.)				
4.9	Alarm:				
	Audio-visual high & low temperature, door open/lock alarm.				
4.11	To be supplied complete with:				
	Mains electric, over-voltage protection unit. Unit is to disconnect power supply if it exceeds 110% of nominal mains line voltage, and automatically reconnect when voltage returns to nominal levels. And UPS upto 1 hour backup.				
5	Accessories, spares and consumables				

5.1	All standard accessories, consumables and parts required to operate the equipment, including all				
	standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must				
	specify the quantity of every item included in their offer (including items not specified above).				
6	Operating Environment				
6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, S.N. Purchaser's Specifications, Humidity, etc.				
6.2	Power supply: 220–240VAC, 50Hz fitted with appropriate plug type D round 3 pins. The power cable must be at least 3 metre in length.				
7	Standards and Safety Requirements				
7.1	Must submit ISO 9001 or ISO 13485:2003/AC: 2007 AND				
7.2	CE or USFDA approved product certificate.				
8	User Training				
8.1	Must provide user training (including how to use and maintain the equipment).				
9	Warranty				
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC				
10	Maintenance Service During Warranty Period				
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.				
11	Installation and Commissioning				
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.				
12	Documentation				
12.1	User (Operating) manual in English and/or				
	Service (Technical / Maintenance) manual in English				
12.2	List of important spare parts and accessories with their part numbers and costing available in stock with the supplier.				

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.