

ICMR – National Institute for Research in Tuberculosis

Chetpet, Chennai – 600 031

Name of Equipment : ULTRA LOW DEEP FREEZER (-86 °C)

Name of the Department : HIV/AIDS

Quantity Required : 2 Nos

TECHNICAL COMPLIANCE SHEET

S. No	Specifications	Compliance Yes / No	Page No. (If Yes, mention the supporting document Page No.)	Remarks (if any)
1	Capacity: Above 700 Liters			
2	Cabinet type: Upright			
3	Main front door: Single/Double			
4	Exterior Cabinet construction: Heavy gauge, cold-rolled steel exterior with powder coated paint finish			
5	Insulation: Polyurethane (or) Vaccum Insulation Panel			
6	Inner compartments: Four or more adjustable inner compartments with individual doors			
7	Temperature Range: Programmable or adjustable temperature from -50 °C to -86 °C with an increment of 1 °C			
8	Compressors: Certified Dual Stage System/Dual Compressors. Should be Energy efficient and have low noise level			
9	Controller: Microprocessor with LED display			
10	Alarm systems: Should have alarm (visual & audible) for high & low cabin temperature, high room temperature, sensor failures, incorrect voltage settings and power failures			
11	Should use SNAP compliant environment friendly refrigerants			
12	Power supply: The main unit, accessories, cables should conform to Indian standards & specifications.			
13	Certification: CE certified or equivalent standards.			
14	The company should provide installation qualification, operational qualification and performance qualification with log book for maintenance of the equipment at no extra cost.			
	Warranty:			
15	The entire ultra- low deep freezer should be provided with minimum one year standard warranty , additional 3 years comprehensive and 2 years non-comprehensive warranty from the date of installation including calibration of temperature with traceability every year.			
16	Availability of service support (Chennai only) to attend the service call immediately during and after warranty specified.			
	Additional Accessories for each freezer			
17	Digital temperature monitoring system capable of recording/storing freezer temperature with auto dialers to provide SMS alerts in case of temperature deviation from set points – 1 No			

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18	Corrosion resistant 2 inch stainless steel drawer, sliding racks to keep 2 inch high cryo boxes for the full capacity of the freezer			
19	Ice scraper – 1 No			
20	Cryo gloves full length – 2 Pairs			
21	Cryo aprons - 2 Nos			
22	Suitable reputed brand double booster stabilizer to meet the local power fluctuations – 1 No			
	Others:			
23	The firm should provide necessary original documentary evidence of the features of the offered model in the technical bid to facilitate proper technical evaluation.			
24	Purchase orders, contact details and user satisfactory reports of the quoted model from Nationalized or reputed laboratories all over the India must be shared with quotation.			
25	Complete installation and testing the main system and the accessories to their specifications done at the site of installation free of cost. All utility requirements for installation and running the system should be mentioned in the offer.			
26	Please indicate the year in which the model offered was introduced into the market and confirm whether the spares for the system would be available for a minimum period of 10 years and shall not be obsolete within five years of procurement.			
27	Special discount on list price for all spare parts & reagents must be given up to 10 years.			

Note :

- 1) The supplier must send the above filled technical compliance sheet along with the Technical Bid
- 2) Supporting documents should be numbered and required specification must be highlighted for easy comparison.