

**ICMR – National Institute for Research in Tuberculosis**

**Chetpet, Chennai – 600 031**

**Name of Equipment** : LIQUID NITROGEN STORAGE SYSTEM

**Name of the Department** : HIV/AIDS

**Quantity Required** : 1 No

**TECHNICAL COMPLIANCE SHEET**

S. No	Specifications	Compliance Yes / No	Page No. (If Yes, mention the supporting document Page No.)	Remarks (if any)
1	Capacity: To store minimum 10,000 (1.8ml) cryovials.			
2	Liquid Nitrogen Capacity: around 160 (one hundred and sixty) liters.			
3	Static evaporation rate: Approximately 5 Liters per day.			
4	Controller with display of level of Liquid Nitrogen, temperatures at 2 user-defined positions and liquid usage, with safety alarms.			
5	Automatic filling of liquid nitrogen and level maintenance.			
6	Warm Gas bye pass			
7	Liquid nitrogen transfer hose and measuring stick.			
8	Power supply: The main unit, accessories and cables should conform to the Indian specifications.			
9	Certification: CE certified or equivalent standards.			
	<b>Additional Requirements:</b>			
10	Liquid nitrogen supply cylinder of capacity of minimum 200 Liters – 2 Nos			
11	Storage Inventory systems comprising SS Racks and Plastic Cryo Boxes for the full capacity of storage system.			
12	2 Nos of Oxygen deficiency monitors with accessories (one for inside the room where the LN2 storage system is installed and the other one for at the entry point where the LN2 storage system is installed) with suitable UPS.			
13	CryoGloves, extra Large size - 4 pairs			
14	Cryo Aprons - 2 pairs			
15	Face shields - 2 Nos			
16	Safety goggles - 2 Pairs			
17	Safety boots - 2 Pairs			
18	Suitable stabilizer - 1 No			
19	Transfer Hoses, 6 feet length - 2 Nos			

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20	Cryogenic Phase Separators - 2 Nos			
21	<b>Warranty:</b> The entire Liquid Nitrogen Storage system and accessories should be provided with additional 3 years comprehensive and 2 years non-comprehensive warranty from the date of completion of standard warranty period.			
	<b>Others:</b>			
22	The Liquid Nitrogen Storage system must be quoted by Original Equipment Manufacturer's with Sales and service support facilities in India through their branch office / Indian Agent (or) Indian agent with extensive sales (Minimum 5 years) and service support in India representing foreign principals / Original Equipment manufacturers. The Indian agency / dealership certificate with details of sales and service support should be enclosed with the technical bid.			
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 of all spare parts must be given up to 10 years.			
28	Availability of local service support and response time for a service call during and after warranty specified.			

**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.