Liquid Nitrogen Tank (biological safety freezers) = 2 Nos

(A.) Specifications for Biological Refrigerators 110 liters – 1 Nos.
- Capacity approx. 110 liters for storage space for over 9,000 vials of 2 ml and 350-400 50 ml. cryobags.
- Temperature not more than of (-) 196°C.
- Alarm message for too low and too high levels of liquid nitrogen.
- Should display LN2 gas phase temperature and have alarm function for indicating high temperature.
- Made of aluminum/ stainless steel with vacuum insulation ensuring very low liquid nitrogen losses of 0.50-0.75 L/day or less.
- The display panel on the system must be equipped to show defect in the LN2 level sensors, if any.
- Tele-alarm output to be connected to a phone modem in case of temperature alarm.
- Should have a wide variety of inventory management system for ampoules, cryo bags & straws.
- The system should be quoted with a suitable LN2 cylinder with all required connections to support the liquid nitrogen tank (BSF) for at least 30 days.

(B.) Specifications for Biological Refrigerators 150 liters – 1 No.
- No or racks 6 or more
- Cryo boxes per rack 5 or more
- Storage capacity of 2ml vials 4750 or more
- Static evaporation rate in L/24 hr 0.65
- Static holding time in days 226
- External height in mm 918
- External Diameter in mm 686
- Neck Diameter in mm 215
- Digital temperature indicator with potential free alarm output
- Should supply the following as accessories:
  Cryoboxes, Cryovials, Trolley.

Warranty: Comprehensive 5 years with CMC for 6 to 10 years after comprehensive warranty.