

SPECIFICATION SHEET

Sr. No.	Description	Quantity
1.	<p><u>Mono Ethylene Glycol Chiller (MEG Chiller)</u> Make: VATBUZ, Daikin, GONKA, Gonair, Genkaklima, <i>or equivalent</i> Origin: Turkey, Japan, Malaysia, Korea, China <i>or equivalent</i> Cooling Capacity: 50 ton Liquid Outlet Temperature: -35 °C Liquid Inlet Temperature: -25 °C Chilled Liquid Flow Rate: 19 m³ / hr. Refrigeration Circuits: Two Independent Capacity Control: Stepless Control: PLC Controlled, Skid Mounted Ambient working Temperature: 46 °C</p> <p><u>Compressor:</u> Semi Hermetic Screw Type with motor winding over temperature protection, electric phase failure and off cycle crank case oil heater etc. No. of compressors: 02 Refrigerant: R-404a or Latest</p> <p><u>Condenser:</u> Copper tube & steel shell type, equipped with safety valve, digital pressure and temperature indicators etc. Condenser Water Circuits: Two</p> <p><u>Evaporator:</u> Type: Double circuit with copper tube & steel shell. Fluid: 60% Mono Ethylene Glycol mixed water Equipped with digital flow meter, temperature & pressure indicators etc. Insulation: Close Cell Foam</p> <p><u>Control & safety Devices:</u></p> <ul style="list-style-type: none"> ▪ Over Current Protection ▪ Low temperature protection ▪ Over temperature protection ▪ Low pressure protection ▪ High pressure protection ▪ Flow switches (-35 °C) ▪ Low oil pressure protection ▪ Motor thermal protection ▪ Manual start in the event of failure/alarm ▪ Integral control panel to IP54 or greater ▪ Interlink two pumps control panel ▪ Anti-vibration mounts ▪ Oil separator with level control, filter, solenoid and shut off valves etc. <p><u>Electrical:</u> 380-420-V, 3- Ph, 50 Hz, Noise level: 90 db (A)</p>	01 No.
2.	<p><u>Circulation pumps for Chilled Fluid (-35 °C) for MEG Chillers at Sr. No.1</u> Flow Rate: 40 m³/ hr. Shaft Packing: Mechanical Seal Head: 35 meters Pump Connection: Flanged, Mounting: Horizontal Pump materiel: SS-304 (body, rotor, shaft) Fluid: 60 % MEG + Water mixture Electric Motor: Air Cooled, Compatible with Pump, 380-420 V, 3- Phase, 50 Hz.</p>	02 Sets

Continued.....

SPECIFICATION SHEET

Sr. No.	Description	Quantity
3.	Spare Mechanical Seals for Chilled Fluid Circulation Pumps at Sr. No. 2	08 sets
4.	Spare Refrigerant Filters	10 sets
5.	Spare Refrigeration Oil Filters	10 sets
6.	Spare Solenoid Valves used in the system	10 sets
7.	Refrigeration Oil for Replacements	04 sets
8.	Spare Magnetic Coils for Solenoid Valves	10 sets
9.	Technical Literature in English Language	02 sets
	i. Installation Drawing	
	ii. Electrical Drawings	
	iii. Operational Manuals	
	iv. Detailed Drawing of Screw Compressor and Overhauling Procedure with Necessary Spares & Special Tools.	