Type:	Vapor Compression Chiller (VCC)
Manufacturer: Trane/Daikin/York/Carrier/McQuee or Equivalent	
Cooling Capacity:	700 TR
Supplying Voltage:	6.6 kV
*Rated Power Supply:	
*Rated Current:	A
Auxiliary Supply Voltage: 400 V	
Refrigerant:	134a or latest *Quantity: kg *Refrigerant Oil Type and Trade Number: *Oil Quantity: Liters
Electrical control: Unit Control Module (UCM)	

Evaporator	
Entering water Temperature: 12 °C	
Leaving Water Temperature: 7 °C	
Water Flow: ≤ 400 m³/hr	
*Pressure Drop Across Evaporator :kPa	
*Evaporator Pressure (normal):	bar
*Oil Pressure (normal):	bar
*Differential Oil Pressure:	bar
*Design temperature:	°C
*Design Pressure:	bar
*Hydrostatic pressure:	bar
*Testing pressure (normal) :	bar
Classification : Flooded	
Arrangement: Shell and Tube Shell: Refrigerant Tube: Water	
Water Connection: Victaulic coupling	
Dimension: 4660x1870x2420 mm	
Water Connection: 250 mm	
Material: Shell: C.S, Tubes: Copper Nickel Alloy or latest less prone to corrosion, Type Of Tube: Straight	
Water Chemistry: PH: 9.5-10.5 ,Demineralized water	
*No. of Passes:	
*Heat Transfer Enhancement Arrangement	

Pressure Relief Valve	
*Setting Pressure:	bar
Type: spring loaded or latest	

Compressor	
Motion : Centrifugal/Turbocore	
*Stages:	
Impeller Material: High Strength Al.	
*Impeller Type:	
Capacity Control: Guide Vane Mechanism	
Bearing: Journal Bearing (Magnetic/Babbitt lined or equivalent)	

Lubrication System	
Oil Sump Type: external	
Oil pump Type: Positive Displacement	
Sump heater: 220 V±10%, 50 Hz *Power: kW, *Current : Amp, single phase	
Oil pump motor: *Phase: , *Volt: V, *Current: Amp, 50 Hz, *Power: kW	

Accessories	
Metering Device: Calibrated Orifice or Latest	
Pressure Gauges: For Pressure of oil, evaporator and condenser	

Quality Inspection & Test	
Hydrostatic Test: Condenser and Evaporator	Yes
Commissioning Test Report:	Yes
Material Test Report:	Yes
Inspection Test Report:	Yes
Sound Level Test:	Yes
Integrated Part Load Test Report:	Yes

Condenser	
Entering Water Temperature : 30 °C to 32 °C	
Leaving Water Temperature : 36°C to 38 °C	
*Water Flow:	m³/hr
*Pressure Drop:	kPa
*Condenser Pressure (normal):	bar
*Design pressure:	bar
*Design temperature:	°C
*Hydrostatic pressure:	bar
*Hydrostatic test:	bar
*Testing pressure (normal):	bar
*No. of Passes:	
*Heat Transfer Enhancement Arrangement	
Arrangement: Shell and Tube Shell: Refrigerant Tube: Water	
Water Connection: Victaulic coupling	
Condenser Dia.: 0.8 m Length:4.03 m	
Water Connection: 250 mm	
Material: Shell: C.S, Tubes: Copper Nickel Alloy or latest less prone to corrosion, Type Of Tube: Straight	
Water Chemistry : Chlorides: 275 ppm PH: 8.4-9.2 Conductivity:3500 µS/cm	

Economizer	
*Design pressure	
*Design temperature	
Accessory: liquid eliminator or latest	
*Hydrostatic pressure :	bar

Compressor Motor	
Classification: Hermetic	
Lubrication: Liquid refrigerant	
Phase : 3 phase *Power:	kW
**Voltage: 6600±5%	
*Current:	Amp
Frequency: 50 Hz	

Protection	
*Motor Current Trip (Low):	Amp
*Motor Winding Temperature:	°C
*Chilled Water Flow (low) Trip:	m³/hr
*Water Flow in condenser (low) Trip:	m³/hr
*Anti-Freeze Temperature Protection:	°C
*Condenser High pressure trip:	bar
*Oil pressure (low) trip:	bar
*Momentary power loss	Yes
*Phase reversal and phase loss	Yes

Literature	
Drawing: Condenser and Evaporator, compressor assembly, electrical wiring, circuit diagram (logical or schematic)	Yes
Operational and Maintenance Manual :	Yes
Spare Part List:	Yes

*Data shall be provided by manufacturer.

**Compressor Motor having voltage other than 6.6kV will not be accepted.