

BHEL SPECIFICATIONS ON DEIONIZED WATER CHILLER PLANT

S. No.	Description	BHEL Specification
1	Application	Process cooling
2	Media to be cooled	Deionized water
3	Water outlet temperature	15 deg C
4	Operating Ambient temperature	20 deg C to 50 deg C
5	Maximum flow rate	Greater than or equal to 100 LPM
6	Refrigerant	Eco friendly refrigerant
7	Tank Volume	Minimum of 60 litres but not exceeding 80 litres
8	Power Requirement	3 PH AC Supply, 415 V +/-10%, 50Hz +/-5%
9	Control Voltage	230V, 50 Hz
10	Certification	Supplier shall possess ISO Certification and has to submit a copy along with the technical offer.
11	Scope of work	Performance testing at manufacturer's place. Supply, installation and demonstration of chiller plant at BHEL R&D.
12	Deliverables	Compressor, Condenser, Evaporator, Refrigeration controls and accessories, Electrical controls and accessories, Structure, Chilled water Pump, Media Tank of reputed make including their accessories to fulfill the system function. Supplier shall provide the details of the deliverables in the technical offer clearly.
13	Pre-Dispatch Inspection	Supplier shall arrange the required test setup to demonstrate the full capacity functioning of the chiller.