

# BEST DISTRICT COOLING SYSTEM PERFORMANCE

## Awards for Best district Cooling System In Qatar

No	Input	Input	Unit	Unit
1	<b>General Information</b>	District Cooling Plant Name		
2		DC Provider/Operator		
3		Service Area		M2
4		Contact Name		
5		Contact Title		
6		Tel		
7		Mail		
8		Number of building Services		
9	<b>Technical Information</b>	Buildings area served by DC ( Sq.M)		M2
10		Type of buildings (Residential,Commercial,Government, Hotesl, School, hospital,Mixed use)		
11		DC plant Design Capacity		TR
12		Installed Chiller Capacity		TR
13		Thermal Energy Storage Capacity		TR.hour
14		Cooling Energy Production in 2022		TR.hour
15		Total consumption of potable water for Cooling tower makeup in 2022		M3
16		Total Consumption of TSE or other RW for makeup in 2022		M3
17		<b>Total Electricity Consumption of DC plant for 2022</b> (Electricity consumption refers to total DC Plant consumption including chillers, Cooling Towers, Polishing Plant (if applicable), process pumps, distribution pumps, HVAC power and all other auxiliary equipment.)		KW hr
18		Quantity of wastewater discharged from the DC Plant in 2022 (M3)		M3
19		Existing Discharge Network		
20		Volume of Tanks of Make-up water for condenser system.		M3
21		Polishing Plant for TSE availability		Yes/No
	<b>Criteria</b>	<b>Input</b>	<b>Data</b>	<b>Unit</b>
22	<b>System Energy Efficiency</b>	<b>Energy Efficiency of DC Plant in 2022</b> (Plant electricity consumption in kWh divided by Cooling Energy (TR-hrs) produced at the DC Plant.		(kWh/Tr Hrs)
		<b>Water Consumption for Condenser Cooling in 2022</b> (Water consumption in liters divided by Cooling Energy (TR-hrs) produced at the Plant(s).		(Liters / Tr Hrs)
		<b>Quantity of Waste Water Discharge ( Blowdown) in 2022</b> Wastewater quantity in liters divided by total Cooling Energy (TR-hrs) produced at the Plant(s).		(Liters / Tr Hrs)
23	<b>System Reliability</b>			%
24	<b>Energy Meter Availablilty</b>			Yes
				No
25	<b>Number of Manpower of Operation and maintenance team</b>			person