

Specifications for Shell & Tube type Heat exchanger

Type	Shell & Tube type Saline water-DM water Heat exchanger
Application	Process cooling of Saline/Sea water
Tube side:	
Inlet temp	40°C
Outlet temp	30°C
Delta T	10°C
Saline Water flow	80-85 LPM (litres per minute)
Working pressure	45 bar
Shell side:	
Coolant	DM water from Water chiller of capacity ~20TR
Temperature	Chilled water at 15°C (at Inlet and 26°C at outlet of shell side)
Water Flow	150-200 LPM
Working pressure	4-5 bar
Material	Stainless steel and Tubes preferably 70-30 Cu-Ni.
End connections	Inlet/outlet connections size & details to be mentioned in the offer.
Testing	As per applicable TEMA/ASME standards
Drawing verification	Preliminary Design dwgs and data sheet to be submitted along with the offer for verification by BHEL. Detail dwgs to be vetted by BHEL before manufacture.