

Technical Specifications:

Technical description of the proposed solution

The prospective vendors shall submit the following form in Table 1 for each category of RSW systems along with supporting documents as evidence of meeting the requirements proposed.

Table 1. Description of proposed RSW systems

Detail	Minimum requirement	Proposed
Inlet Water Temperature	Approximately +28 °C	+30 °C to 26 °C
Water Outlet Temperature	0°C or +2 °C	0°C or +1 °C
Compressor Type	Semi Hermetic piston	Semi Hermetic piston
Condenser Type	Seawater Cooling	Seawater Cooling
Evaporator Type	Shell and Tube or Titanium Plate	Shell and Tube
Condenser - Evaporator Pump Type	Self-priming Stainless Steel Pump (AISI316)	Self-priming Stainless Steel Pump (AISI316)
Noise (3 meters)	≤ ~78 dBA	≤ ~75 dBA
Evaporation Temperature	2C / -10C °C	2C / -10C °C
Energy	380V/50Hz/3Ph	380V/50Hz/3Ph
Refrigerant	R507 or any other suitable refrigerant approved for import into the Maldives	R507
Temperature monitoring	The system should indicate water inlet and water outlet temperature	Inlet and Out let temperature in display
Data logger	The system should include temperature data logger to measure water in temperature in chilling tanks or bilge	PLC with Temperature sensors



Link to Brochure: https://tradegov-my.sharepoint.com/:b:/g/personal/ihsaan_abdul_trade_gov_mv/EY_N4ANP4JRAn_Vz_Do4RVABPSVNIPcvmBqeqhjq11CxSg?e=jePYD3