

Case Reference IP-1038 – Containerized RO for Cardiac Hospital

Supply, Installation & Commissioning of Containerized SWRO Plant

Client: **Ministry of Health**

Location: **Tajoura**

Product: **Sea Water RO Desalination Plant**

Design: **300m³/day Permeate from Sea water**

Application: **Drinking**

Year: **2013**

Scope:

- **Engineering & Design** – Technical drawings, compliance with Sea Water RO system standards, risk assessments.
- **Procurement & Fabrication** – Containerization of SWRO Plant, membranes, filtration units, pumps, dosing systems, QA/QC inspections.
- **SWRO System Installation** – Assembly of pre-treatment (carbon filters), RO membranes, and post-treatment units.
- **Instrumentation & Control** – Automatic Control, Monitoring sensors, and calibration of flow/pressure transmitters.
- **Commissioning & Handover** – Performance testing, water quality validation, and final documentation.

