

# Reconstruction & Upgrading of Old Salwa RPS with Underground Reservoirs

## Client

Leighton Contracting – HLG

## Scope of Work

Design Review

Construction Supervision

## Location

Qatar

## Type of Activities

Architectural

Civil

Mechanical

MEP

Structural

Demolition of 5 reservoirs and a pumping station in Old Salwa Reservoir Pumping Station and replacement with a new pumping station (115,776 m<sup>3</sup>/day), underground reservoirs (30 MIG), and an office building to accommodate KAHRAMAA staff along with providing an office space for commercial investment.

## Water Outlet Capacity

- Two Rising Mains: RM1 and RM2
- Two Duty Mains: 335 l/s pumps per rising main
- Total Flow Rate: 1,340 l/s

## Potable Water Pipelines

- Rising Mains 1 and 2: 295 m, 600 mm dia. DI pipeline
- Distillate Inlet: 561 m, 900 mm dia. DI pipeline
- Header Pipes: 78 m, 1200 mm dia. DI pipeline

