



## Doha West Sewage Treatment (Extension 3)

### Description:

The expansion of the Doha West Sewerage Treatment Works is designed to treat a daily flow of 135,000 m<sup>3</sup> per day or a population equivalent of 500,000 people. It is a state of the art plant using modern processes such as Ultra-Filtration. The effluent quality exceeds all common international standards and is used, among other uses, to irrigate local farms.

Involved since 2008 in phase 3 of the expansion works, Gulf Contracting Co. completed all civil construction, buildings and MEP works. Additionally, we completed the external works, an extensive refurbishment of the existing plant and constructed two storage lagoons.

### Scope of Work:

- 17 independent water retaining structures using 40,000 m<sup>3</sup> of structural concrete
- Process buildings including air blower rooms, substations, pump rooms, etc.
- Administration and accommodation buildings
- 1.2 km of concrete dam and earthen bund from the lagoons which holds 5 Million m<sup>3</sup> of effluent
- 12 km Of trench work
- 17 km of perimeter fencing

### Key Facts

Client	Public Works Authority (Ashgal)
Consultant	Nippon Koei
Start Date	February 2008
Completion Date	January 2011
Project Value	QR 275 Million