

# Kahramaa Headworks Consultancy Services

## Client

Kahramaa Qatar General Electricity & Water Corporation

## Scope of Work

Design review  
Construction management  
Construction supervision

## Location

Qatar

## Types of Activities

Architectural  
Electrical  
HVAC  
Instrumentation  
Landscaping  
Mechanical  
Piping  
Roads  
Structural

As part of Qatar's ongoing development and to effectively meet expected potable water demand increases, Kahramaa was seeking to improve potable water services by executing various replacements, upgrading, and extension works to some distillate and rising mains.

The Kahramaa Headworks consultancy services were provided through three separate packages. The first package involved the use of micro-tunneling to transmit potable water from a new desalination plant to various water stations in and around Doha through an 80 km

transmission pipeline with a diameter of 1,600 mm. The second package included the construction of two new concrete reservoirs with capacities ranging from 9-6 MIG (Million Imperial Gallons), while the third package involved the construction of six new concrete reservoirs with a capacity of 6 MIG each. Packages components included pipelines with diameters ranging from 300 to 1,200 mm and lengths ranging from 20 to 70 km; a pump station; related civil works; connections to existing pipes; fiber optic cable networks (SCADA); and flow control systems.

