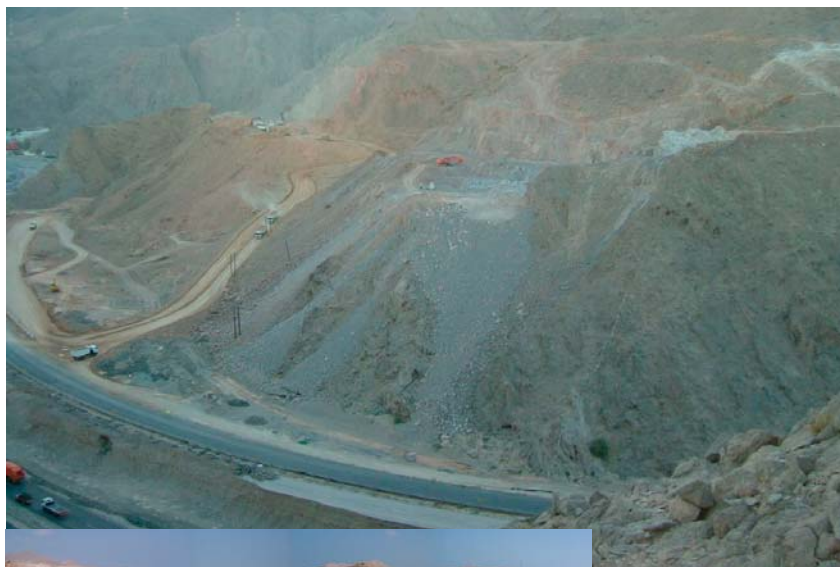


Wadi Aday protection floods dams



Country

Oman

Client

Ministry of Regional
Municipalities and Water
Resources (MRM&WR)

Date

2006-2015

Sogreah's services

- ▀ Feasibility Study
- ▀ Topographic survey
- ▀ Design studies
- ▀ Tender documentation
- ▀ Tender action
- ▀ Supervision of Construction

Background

The aim of the project is to protect Muscat area against floods of Wadi Aday. Seven dams will be constructed across the river, to store flood volumes up to the 500-year flood.

Description of the project

Construction of the first dam B15 (L = 5 km, H = 22 m, V = 22 x 106 m³) started in September 2009.

All design studies for the G2 dam have been completed; this is a rubble-mound dam with bituminous concrete wall in the body of the dam and a plastic concrete foundation wall; the main dimensions of the dam are H = 40 m; L = 220 m; V = 1.1 Mm³; capacity of the open sill lateral spillway: 6,000 m³/s

All design studies for the B6 dam have been completed; this is a rubble-mound dam with a plastic concrete foundation wall; the main dimensions of the dam are H = 23 m; L = 3,200 m; V = 3 Mm³; capacity of the open sill lateral spillway: 1,500 m³/s

The other dams are currently at the design stage: B411, B412 et B7; all these dams are more than 20 m high.

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