



Country
Egypt

Client
Ministry of Water Resources and Irrigation

Date
2008-2015

Cost of works
475 M€ (estimated in 2008)

Sogreah services

- ▶ Task M: Physical and mathematical hydraulic modelling of the dam and river course, groundwater/seepage and foundation analysis
- ▶ Task T: Tender Design, Tender documents and assistance in tendering procedures
- ▶ Task D: Approval of contractor's construction design
- ▶ Task C: Construction supervision
- ▶ Task E: Preparation and implementation of an environmental management plan
(In association)



Description of project

Construction of a new barrage downstream of the existing barrage and Ibrahimia canal head regulator constructed in 1902 and rehabilitated in 1938.

Multipurpose Project (irrigation, navigation, hydropower):

- Closure dam;
- Sluiceway with 17 m wide radial gates and road bridge;
- Low-head hydropower plant with 4 bulb units of 8 MW, total capacity 32 MW;

- New navigation lock: 120 x 17 m addition to the refurbished 80 x 16 m existing navigation lock;
- Replacement and rehabilitation of the Ibrahimia canal head regulator;
- Transmission line.