

Civil Works of Thiba Dam, Kenya

Facts

City/Country

Kirinyaga / Kenya

Client

National Irrigation Board (NIB), Nairobi

Contract Value

€72,17 Mio.

Construction Period

03/2018 - 11/2021 (45 Months)

Project Description

Construction of Thiba Dam in Kenya about 130 km northeast of Nairobi, which will help secure the yearround water supply for the country's agriculture. The dam creates a reservoir that will allow a second harvest every year in the surrounding cultivable area. ICB Package I comprises:

- Civil Works (river diversion work, coffering works, main dam, spillway, outlet works, building works, sand trap dam, and ancillary works).
- Hydro-mechanical Works (diversion stop log, gates and valves, flow meter, steel conduit, intake trash racks, monorail hoist, etc.).
- Electrical Works (branch of 11 kV power cable to the transformer, distribution lines to the buildings, street lighting, etc.).

Project Data:

Dam height: 40 m
Crest length: 1,010 m
Clearing: 2,000,000 m²
Excavation: 1,300,000 m³
Fill: 760,000 m³
Rockfill: 490,000 m³
Concrete: 57,000 m³
Reinforcement: 1,200 to
Hydro Mechanical Works
Electrical Works
Grouting: 31,000 m

