183 MW ISIMBA HYDROPOWER PLANT & ISIMBA-BUJAGALI INTERCONNECTION PROJECT, UGANDA

DETAILS OF PROJECT

Work Scope:

Owner's Engineer services including Construction Supervision, Contract Management and Project Management including Quality Control for 183MW Isimba Hydropower Plant and associated Transmission Line and Substation.

Client:

Ministry of Energy and Mineral Development (MEMD), Uganda

Contract Duration:

Duration for Design Review and Supervision : 40 Months

MAIN PROJECT FEATURES

Main Project Features:

- Installed Capacity – 183 MW (6 X 45.8)
- Project Consists of Embankment Dam and Concrete Gravity Dam of Length at top of about 1599 m and Maximum Height above Deepest foundation of 26.50 m.
- The project shall have 2 Nos. of Surface Ogee & 3 Nos. of Sluice Type Spillway.
- Dam Toe Power House size of 102.6 m (L) x 70.33 m (W) x 54.6 m (H)
- The project shall have 4 units of 45.8 MW Kaplan type Turbine with installed capacity of 183 MW.
- The Power shall be transmitted through a 132 KV Transmission line and an Outdoor Type switchyard of size 172 m (L)x130 m (W).
- Length of Transmission Line is 42 Km.

PROJECT COMPONENT