

600 MW KARUMA HYDROPOWER PROJECT, UGANDA



DETAILS OF PROJECT



Work Scope:

Consultancy Services for Preparation of Feasibility Study Report including Survey and Investigation works, Environmental Social Impact Assessment (ESIA) Studies, Tender documents for procurement of general contractor for works, Review of EPC Design, Construction Supervision.

Client:

Ministry of Energy and Mineral Development (MEMD), Uganda

Contract Duration:

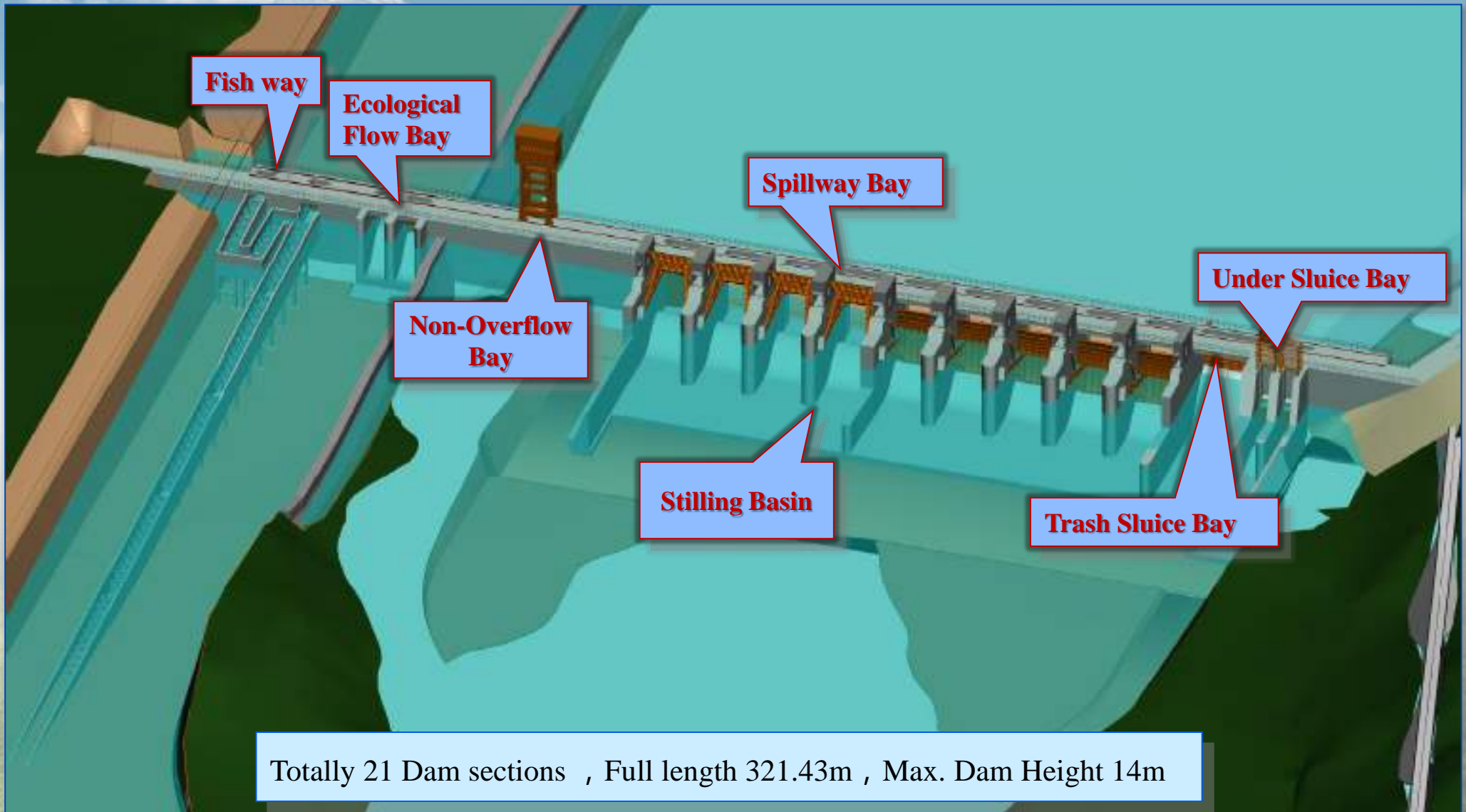
Duration for Design Review and Supervision: 60 Months

MAIN PROJECT FEATURES

Main Project Features:

- ❖ Installed Capacity – 600 MW (6X100)
- ❖ The scheme as proposed by EIPL consists of a Concrete Gravity Dam of maximum height of 14.0 m and length of 321.43 m at the Top, with the Overflow length of 185.0 m and Non overflow length of 136.43 m. Project consists of 9 nos. of Spillway with 10 m opening each.
- ❖ Consists of 7.7 m diameter 6 nos. of Head Race Tunnel, total length of 1200 m, Concrete lined.
- ❖ An Underground Power House with size 200 m (L) x 19.6 m (W) x 53 m (H) and 6 units of Francis Turbine with 100 MW Capacity each.
- ❖ A underground surge chamber 340.30 m (L) x 21.3 m (W) x 69.40 m (H)
- ❖ Switchyard for Power Evacuation : 400 KV and 312 KV, 130 m (L) x 80 m (W)
- ❖ 12.9 m Diameter two Numbers of Tail Race Tunnel with 8.6 Km length each.
- ❖ Township at Karuma : 24.02 Hectares

DAM COMPONENT



WATER CONDUCTOR AND POWERHOUSE COMPONENTS

