



DEMWE LOWER HYDROELECTRIC PROJECT

CLIENT:

Athena Demwe Power Pvt. Ltd.

LOCATION:

Lohit District, Arunachal Pradesh, India

SCOPE OF SERVICES:

AEMPL engaged to provide Engineering Consultancy Services for Pre-construction stage investigations & Techno-economic optimization of the Project Layout, Detailed Design & Engineering Services during Project execution of 1750 MW Demwe Lower HE Project, Arunachal Pradesh

PROJECT DESCRIPTION:

Demwe Lower Hydro Electric Project has been contemplated as a run of the river scheme situated in the Lohit district of Arunachal Pradesh. The Dam site is located on River Lohit, upstream of Parasuram Kund. The Project will utilize a gross head of 120.00m and design discharge of 1729 cumecs for generation of 1750 MW.

The Project comprises a 165 m high Concrete Gravity dam, five numbers of 10.0 m diameter pressure shafts of 450 to 600 m long. A surface power house housing 5 units of 342 MW each and one 40 MW. Design Energy is 6322 MU in 90% dependable year.

The following works have been completed by M/s Aquagreen Engineering Management Private Limited for the Detail Engineering:

- Detail Planning of Project components
- Construction Drawings for Road network in the Project Area
- Detail design and drawings for Diversion Tunnels.
- Detail design and drawings for Excavation for Power Intake Structure
- Detail design and drawings for Adits to Pressure Shafts
- Detail design and drawings for Excavation for Power House
- Construction Methodology & Equipment Planning for Diversion Tunnels.