



YAMNE – I HYDROELECTRIC PROJECT

CLIENT:

S S Yamne Power Pvt. Ltd.

LOCATION:

Arunachal Pradesh, India

SCOPE OF SERVICES:

AEMPL engaged to provide Engineering Consultancy Services for preparation of Pre-feasibility Report (PFR), Detailed Project Report (DPR), Concept to Commissioning Consulting Services of 135 MW Yamne – I HE Project, Arunachal Pradesh

PROJECT DESCRIPTION:

Yamne Stage – I H.E. Project is located in the Upper Siang District of Arunachal Pradesh on Yamne river. The average river bed level at the dam site is about El. 690 m and FRL at the dam has been proposed at El. 735.0 m. The Project will utilize a gross head of 170.0m and design discharge of 96.97 cumecs for generation of 135 MW.

A Concrete Gravity Dam of 47.0m height and 221.15m length at top has been proposed as diversion structure, 11.20 km long 6.5m diameter HRT, 91.0 m high 15.0 m diameter surge shaft, 709 m long & 5.0 m diameter pressure tunnels including penstock & vertical shaft. A Surface power house housing 3 units of 45 MW each. Design Energy is 602 MU in 90% dependable year.

The following works have been completed by M/s Aquagreen Engineering Management Private Limited for the Detailed Project Report

- Approval of ToR from Ministry of Environment and Forest for carrying out field investigations
- Approval of Water Availability and Flood Estimation Studies from CWC
- Approval of Power Potential Studies From CEA
- Topographical survey and Geological and Geotechnical Investigation Works
- PFR stage Design and Drawings for Civil, Electro-Mechanical and Hydro Mechanical Components.
- Cost Estimation and Financial Analysis