



PEMASHELPU HYDROELECTRIC PROJECT

CLIENT:

Mechuka Hydro Power Private Limited (Greenko Group)

LOCATION:

Arunachal Pradesh, India

SCOPE OF SERVICES:

Aquagreen Engineering Management Private Limited (AEMPL) provided complete Engineering and Project Management Services for all civil works associated with the 81 MW Pemashelpu Hydroelectric Project.

PROJECT DESCRIPTION:

The project is a run of river Hydroelectric project on the Yargyap Chu River, a major tributary of Siang River in West Siang District, Arunachal Pradesh. AEMPL was involved in preparation of Pre-feasibility, Feasibility and Detailed Project Report (DPR) which includes civil, hydro mechanical and electromechanical works and assistance in obtaining clearance from statutory authorities. The following are the detailed activities involved in carrying out the assignment:

- Preparation of Pre-feasibility report including drawings for civil works
- Optimization of layout of civil hydropower components and preparation of feasibility reports including drawings for civil works
- Assistance in detailed topographical survey of project area, geological mapping and geological investigations at various locations the Project components.
- Preparation of hydrological studies including water availability, design flood and diversion flood studies
- Optimization of power potential studies for fixation of installed capacity
- Preparation of Detailed Project report which includes detailed design of civil, hydro-mechanical and electromechanical components including drawings.
- Detailed cost estimates of civil, hydro-mechanical and electromechanical works