



DEMWE UPPER HYDROELECTRIC PROJECT

CLIENT:

Lohit Urja Power Pvt. Ltd.

LOCATION:

Arunachal Pradesh, India

SCOPE OF SERVICES:

AEMPL engaged to provide Engineering Consultancy Services for preparation of Detailed Project Report (DPR), Tender Design and assistance in award of EPC Contract of 1080 MW Demwe Upper HE Project, Arunachal Pradesh.

PROJECT DESCRIPTION:

Demwe Upper HE Project is located in Anjaw District of Arunachal Pradesh on Lohit river. The proposed project site is 80 km away from Tezu which is District HQ of Lohit. The Dam site is located about 12.8 km downstream of confluence of Dalai River and underground Powerhouse is located on right bank of Lohit River at 150 m downstream of the dam axis.

The average river bed level at the dam site is about EL 440.00 m and FRL at the dam has been proposed at EL 525.00 m. The project consist of 131.0 m high composite dam, 5 nos. of 10.0 m dia. pressure shaft length varies from 150.0 m to 285.0 m, an underground powerhouse having 5 units of 206 MW and 1 unit of 50 MW. The project would generate 3991 MU in 90% dependable year.

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

- Hydraulic computations for Spillways and River Diversion Arrangement
- Power Potential Studies
- DPR Stage Civil drawings for Composite Dam (CFRD & Concrete), Diversion Arrangement, Water conductor system and Powerhouse.
- Hydro-Mechanical Design & Drawings – DPR Stage
- Electro – Mechanical Design & Drawings – DPR Stage
- Technical Replies to the CEA/CWC /GSI/CSMRS comments/observation on the submitted DPR