

Nalo 635MW

Brief Scope of Works : Consultancy services for preparation of Detailed Project Report including supervision of all field Investigations, EIA/EMP Report, and providing assistance in obtaining clearance of DPR, EIA/EMP reports for statutory authorities.

Name of Client : Indus Hydro Power (India) Pvt. Ltd

Location of Project : Arunachal Pradesh, India

Duration Of Contract : Mar 2011 - On going

About the Project:

Nalo HE Project as conceived by EIPL is a Run-of-the River scheme with diurnal storage. The proposed scheme consists of a Concrete Gravity Dam of maximum height of about 160 m and length of 330 m at the Top. Subansiri River would be diverted through a diversion tunnel of 14.0 m diameter and approximate length of 860 m. For diverting the water through the diversion tunnel an upstream coffer dam of about 34 m height have been proposed. For the purpose of power generation, water is to be conveyed through 4 individual steel lined pressure shafts of 4.5 m diameter and lengths varying from 295 m to 380 m. These pressure shafts would feed 4 vertical Francis turbines, 3 no's of 150 MW and 1 no. 170 MW capacity installed within a underground powerhouse located on the left bank of Subansiri river. An additional unit of 15 MW catering to Environmental releases downstream of the dam has also been provided.

Services Provided by EIPL :

EIPL provides following services/activities :

- Supervision of Field investigation works required for preparation of DPR. Supervision of Following Activities was under taken :
 - Topographical Survey of the project area covering all major project structures and their components, reservoir, infrastructure facilities, quarry & borrow area, river etc.
 - All geological surface and sub-surface survey and investigations including drilling, drifting, etc.
- Preparation of Detailed project / Engineering report and provided all the necessary assistance in obtaining Concurrence for the DPR from Central Electricity Authority of India (CEA)/ Central Water Commission of India.
- Preparation of Environment Impact Assessment including Environment Management Plan and Resettlement Action Plan and Assistance in obtaining Environmental Clearance & Forest clearance from Ministry of Environment and Forest, Govt. of India.

