



TSIBJALAMCHU DIVERSION SCHEME OF TALA HEP

CLIENT:

Abir Infrastructure Private Limited

LOCATION:

Bhutan

SCOPE OF SERVICES:

Engineering consultancy for preparation of detailed design and drawings for the construction of river diversion arrangement, Trench weir, intake, HRT and Hydro mechanical equipment.

PROJECT DESCRIPTION:

Tsibjalumchhu is a left bank tributary of River Wangchhu joining just downstream of Tala Dam. Tsibjalumchhu Diversion Scheme is the diversion of Tsibjalumchhu Nala to the existing Tala reservoir to augment generation from 1020 MW during lean flow season. The major component of the project consists of the following:

- a. Trench weir
- b. Intake
- c. HRT
- d. Outfall structure
- e. Associated access adit

The detailed description of activities carried out by AEMPL are:

- Detailed design of temporary diversion, trench weir, intake, water conductor system (HRT) and outfall arrangement.
- Mathematical modeling of Nala and water conductor system to determine water surface profile for fixing the height of channel.
- Construction drawings for temporary diversion, trench weir, intake, water conductor system (HRT) and outfall arrangement
- Design and construction drawings for Hydro-Mechanical works.