

THAC MO Extension

Viet Nam



New Powerhouse in the foreground and Existing Powerhouse in the background

DESCRIPTION

The Project is located in the south mountainous area of Vietnam, and administratively belongs to the Binh Phuoc Province. The project is located adjacent to the existing Thac Mo Hydropower Station at 6 km away from the nearest town of Phuoc Long where is about 160km north of Ho Chi Minh City. The Project enjoys the existing Thac Mo Reservoir located in the upstream reach of the Be River. The structures of the Project are in the range of altitudes from EL.110m to EL.220m and arranged along the structures of existing power station at the northern side.



The extension project consists of an inlet channel, an intake and an intake dam, a penstock, a powerhouse and a tailrace.

In view of power supply to the national grid, the existing Thac Mo Power Station, which has two units of 75MW Francis type turbine, was commissioned in 1995 and supplies energy to the National Power Grid of EVN covering the southern part of Vietnam as a semi-base load station with a capacity factor of 46% and an annual average energy production of 610GWh.

On the other hand, the Extension Project is to construct an additional unit of 75MW generating plant in an economical manner for increasing the capacity of power supply for peak load.

NAME OF CLIENT:

Electricity of Vietnam (EVN)

CAPACITY:

75MW

(225MW including existing units)

SERVICES:

Detailed Design Review (May 2006 - Dec.2006)

First Bidding in 2006, Second Bidding in 2012

Construction Supervision (Jul.2014 - Oct.2017)