

LEYTE-BOHOL INTERCONNECTION

The Philippines



Cable landing point (Tugas)

DESCRIPTION

The purpose of this project was to transmit electricity generated by geothermal energy in north of Leyte Island to Bohol Island. This project was designed and implemented in two stages.

In Stage1, 138kV submarine cables between the two islands were installed and initially energized at 69kV. In Stage2, the installation of 138kV overhead transmission lines and substations in each island were expanded, and finally, interconnecting transmission lines including submarine cables were upgraded to 138kV operations.



NAME OF CLIENT:

National Power Corporation : Stage 1
National Transmission Corporation : Stage 2

FACILITIES:

- (1) Overhead Transmission Line
 - 138kV Transmission Line: 140km (1cct)
 - 69kV Transmission Line: 50km (1cct)
- (2) Submarine Cable
 - 138kV Submarine Cable: 17km × 4 cables (1cct)
- (3) Substation
 - Newly installed: Maasin S/S (30MVA)
Ubay S/S (100MVA)
 - Expanded: Ormoc S/S (50MVA)
- (4) Telecommunication Facility
 - VHF Radio Equipment :Banilad S/S (Cebu)
 - Buenavista R/S (Bohol)
 - Maasin S/S (Leyte)

SERVICES:

Detailed Design (December 1996 – June 1999)
Construction Supervision (July 1999 – August 2004)