

Ambuklao and Binga Hydropower Project and Dams, Philippines

Client

SN Aboitiz Power - Benguet.

Project

Due diligence and post purchase rehabilitation involving reviews, studies and design related to the projects. Ambuklao comprises a 129 m high central core rock fill dam with 8 x 12.5 m x 12.5 m radial gated ogee spillway, steep chute and flip bucket outlet discharging 11,000 cumecs at PMF, 75 MW underground power station, 327 million m³ storage.

Binga is immediately downstream of Ambuklao and comprises a 107 m high zoned earth-rock fill embankment with inclined core, radial gated ogee spillway with steep chute and flip bucket, 100 MW power station, 48 million m³ storage.

Services provided

- Dam safety audits
- PMF routing studies
- Dam break studies
- Seismic review study
- Rehabilitation works scoping, design, costing
- Dam monitoring database design and set-up
- Flood forecasting and warning system reviews

- Operation, maintenance and surveillance and rehabilitation standards review
- Preparation of OM&S Manuals and Emergency Action Plans
- Quantitative landslide risk assessment study.



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