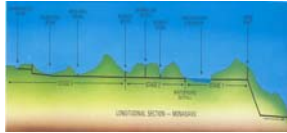


PROJECT DATA

Monsavu & Vaturu Hydro Schemes - Investigation



CLIENT Fiji Electricity Authority

PROJECT LOCATION Central Viti Levu, Fiji

DATE OF PROJECT 1995 - July 1997

SERVICES PROVIDED

- Feasibility studies of hydropower augmentation and mini-hydro

The Monasuvu Hydro-Electric Project includes a large central core earth and rockfill dam, tunnel, penstock and a power station with an installed capacity of 83MW. Two additional stages were then constructed and are referred to as Power Project II and III. Power Project II and III involved the construction of 11km of tunnels to harness water from surrounding creeks, namely Wainabua, Wainimaliwa, Wainaka, Wainisavulevu, Wainikasou North, Wainikasou South and Nabilabila creeks.

This project involved a detailed feasibility study of augmentation options for the Monasavu Hydro-Electric Project. The augmentation options included constructing a dam at the Wainisavulevu diversion weir and constructing a 10MW power station at the outlet of the existing Wainisavulevu – Wainikasou diversion tunnel. The recommendations associated with this feasibility study formed the ‘Terms of Reference’ for major upgrades which was later tendered.

Vaturu Dam is a water supply dam which supplies a water treatment plant via a steel pipe system which has a number of energy dissipation tanks.

This project involved a detail feasibility study to develop a hydropower project to harness the lost head along the water supply pipeline.

LEADERS IN CONSULTABILITY



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