Project for Promotion of Production Activities by Clean Energy in Northern Villages in Guatemala

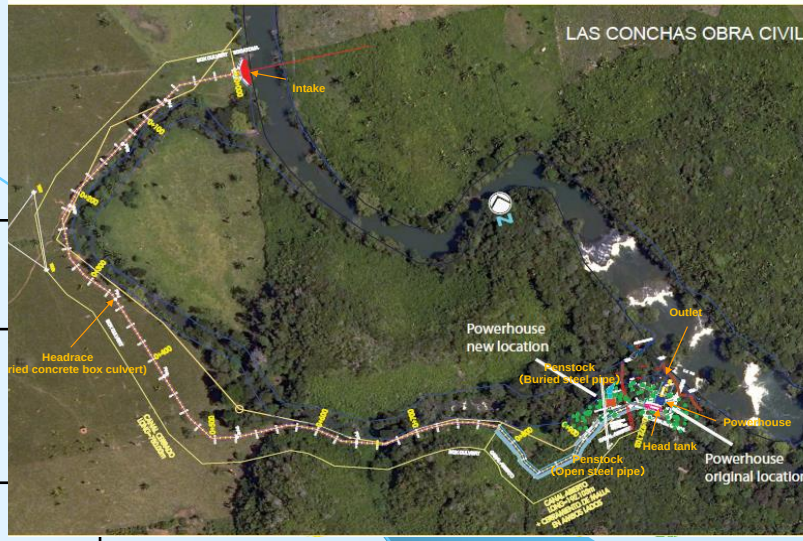
Although the national electrification rate has improved to more than 80%, Guatemala still has a low electrification rate especially in rural areas where there are many poor people lives. In particular, in the northern part of Alta Verapaz, where many indigenous people live and the poverty rate is high, it is difficult to extend transmission lines in mountainous areas which are difficult to access. Thus, the electrification of this province has been delayed in the whole country. Improving access to energy services was essential to improving the living standards of the northern area of Guatemala.

In this project, micro-hydro power generation facilities and distribution facilities has developed in the three poorest villages, and technical support has provided for the operation and maintenance of hydropower plants and the promotion of production activities using electricity. The project contributed to improving the energy access of local community and promoting production activities.

Micro Hydropower

PROJECT FOR PROMOTION OF PRODUCTION ACTIVITIES BY CLEAN ENERGY IN NORTHERN VILLAGES IN GUATEMALA

Outline	♦Electrify by micro hydro for un-electrified villages ♦Community development by production of electricity
Area	Alta verapaz Province - Guatemala (Lowest electrified and lowest poverty province)
Project site	Jolom Ijix (97kW) 400 houses Las Conchas (98kW) 420houses Seasir (58kW) 210houses
Schedule	2009 Feasibility study – Basic Design 2010 Detail Design & Bidding 2011-2012 Construction Supervision 2011-2014 Community production promotion and O&M training



Training on O&M for hydropower facility

Planning for electricity usage

Calculation electricity bill

Planning for increase income by production using electricity