

Project Summary

Project Background

The Micro Hydro Power Technical Support Unit (TSU) is a component of the German-Dutch Energy Partnership "Energizing Development" country measure Indonesia.

From 1999 to 2009 the Directorate General for Electricity and Energy Utilisation (DGEEU) and the German Technical Cooperation (GTZ) have successfully supported the development of the micro/mini hydropower (MHP) sector via the "MHPP" project. The project achieved to build up strong local manufacturing capacities increasing the share of local content of the equipment to 85% and cost reduction of 40% compared to imported equipment. A multitude of training materials as well as technical and socio-economical approaches have been developed. More than 200 MHP schemes were built based on MHPP solutions (5-250kW).

Under the globally active German-Dutch Energy Partnership "Energizing Development", this project is now supporting Green PNPM's block grant component by contributing approximately \$ 8,000,000 to establish a Technical Support Unit (TSU) which will provide technical assistance to communities that will receive grants for the implementation of approximately 250 to 300 MHP schemes for 170.000 villagers.

Project Objectives

The objective of the TSU is to ensure that MHP-schemes financed with Green PNPM block grants fulfil a number of minimum requirements crucial for their sustainable preparation, implementation, and subsequent operation and management.

Project Activities

The TSU consists of one coordinating office in Jakarta and four field offices located within Green PNPM's target provinces, tentatively planned in Padang (Sumatra), Makassar (Sulawesi), Mamassa (Sulawesi). The TSU

- supports in the site identification and selection;
- reviews all MHP project proposals submitted by participating communities through Green PNPM for feasibility assessments and design guidance;
- Work with local MHP providers to help communities to plan and build the MHP schemes using block grant funds;
- supports the communities for proper operation, maintenance and management of the MHP-schemes, including the promotion of productive end-use, training of operators and the establishment of proper community-based management model;
- provides Green PNPM-specific training to local MHP hardware and service providers to ensure they have the capacity to produce and maintain quality equipment for construction of MHP schemes within their geographic area of operations.

Services Provided

- Technical Support in the implementation of a block grant facility for micro hydropower schemes for rural energy supply
- Technical Support in rural energy supply planning
- Quality supervision and technical support in the site-selection, tendering and construction process
- Training of operators, intermediaries and manufacturers
- Productive Use Promotion

Indonesia

Micro Hydro Power Technical Support Unit (TSU)

Client

German Agency for Technical
Cooperation (GTZ)

Duration

07/2009 - 06/2012

Personnel

- 4 internat. LTE
- 16 national LTE
- 18 PM pool of internat. STE
- 100 PM pool of nat. STE

