



In a rural area of the western part of the Indonesian island of Sumatra, a small hydro power plant is being rehabilitated to generate clean electricity for the grid. Its main objective is to provide clean electricity for people and businesses in a rural area. The project includes the rehabilitation and upgrade of a historic micro hydro power plant. Maximum available power output will be obtained by utilizing as much of the existing infrastructure as possible. While the plant's current output does not exceed 85 kW, the plant is expected to deliver 1 MW to the grid after rehabilitation. The project reduces about 4,500 tonnes of CO₂ per year.

The project has multiple benefits for the local population: Electricity demand in Indonesia is growing rapidly, and renewable energy – for example hydropower – have an enormous potential. However, this potential is not sufficiently developed yet. This project will contribute to promoting renewable energy in general and micro hydropower in particular throughout the country. Power shortfalls due to insufficient capacity are very common in rural Indonesia. With this project, local people and local businesses will benefit from increased grid stability. A nearby ice factory, which draws electricity directly from the plant, is an example for this. As well, local people benefit from job and training opportunities. No additional pressure on the environment results, as an already existing power plant is rehabilitated.

Type:	VER Project (in Gold Standard validation by TÜV Nord)
Location:	Sumatra, Indonesia
Project Type & Activities:	Hydro power
Baseline:	Electricity grid
Project Volume:	45,000 tonnes CO ₂ equivalent
Implementation Date:	July 2007 (first phase)
Crediting Period:	10 years