



Geothermal Power Plant, Indonesia

The power plant generates emission free electricity for the Indonesian power grid. Greenhouse gas emission reductions are achieved through updating its capacities, thus avoiding the burning of fossil fuel (coal) for the growing demand in Indonesia.

The Location



This project is situated about 100 kms South-West of Jakarta in a sparsely populated region of vast forests and volcanic activity.

The Project



The project activity comprises of a capacity upgrade of an existing Geothermal Power Plant from 3 x 55 MW to 3 x 60 MW, which generates and supplies electricity to the connected grid, the JAMALI Grid.

This project is to promote and to increase the utilization of geothermal energy as a renewable energy source all over Indonesia.

The capacity upgrade is established by
a) Changing turbine diaphragm of unit 1 and unit 2
b) Modifying gas extraction system or ejector for unit 3.



Swiss TV broadcasted a reportage on this project to explain the mechanisms of the carbon market. Have a look on our website!



The Benefits

- During civil work phase, creation of considerable job opportunities for the local population
- Mechanical expertise required, again creating regular and permanent job opportunities
- The generated electricity is fed into the regional grids through the local grid, thereby improving grid frequency and availability of electricity to local consumers.
- Locally available electricity can in turn provide new opportunities for industries and economic activities to be set up, again resulting in greater local employment.
- Geothermal power produces no end products in the form of solid waste, therefore there is no solid waste disposal required.
- The projects supports technological and know-how transfer from other regions or even other countries through trainings and practical works.
- The project causes no negative impact on the surrounding environment; in the end it contributes to environmental wellbeing.
- The project owner granted land to build the local kindergarden on, and is supporting it with educational material.
- The project owner is organizing vocational training for youngsters, unemployed people, and mothers.



The Details

KEY DATA

Average emission reductions per year: 115'000 tCO₂e

Expected Standard: VCS 2007



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