south pole
Carbon Asset Management Ltd.

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 Gunung Salak plant uses the natural resources of Indonesia's underground geothermal activity, by turning heat into power.

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 regional gGrid.

An important benefit of 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 2
b) Modifying the gas extraction system or ejector for unit 3.

Swiss TV broadcasted a reportage on this project to explain the mechanisms of the carbon market. It can be viewed at http://www.southpolecarbon.com/videopopup321.htm

The Benefits

- Creation of considerable job opportunities for the local population during the construction phase.
- The generated electricity is fed into the regional grids through the local grid, thereby improving grid frequency and availability of electricity to local consumers.
- The project supports technology and know-how transfer through trainings and practical works.
- The project owner donated land to build the local kindergarden on, and is supporting it with educational material.
- Support of an islamic boarding school that promotes education and gender equality by providing books and buildings to be used as rooms for female students.

- The project owner is organizing vocational training for youngsters, unemployed people, and mothers to be able to work in the regional garment/fashion industries.

Project 300 321 Geothermal Indonesia
Average emission reductions per year: 115'000 tCO_2e
Standard: VCS 2007

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