climatmundi

Small hydro in China

This project runs a small hydroelectric plant of 9 MW in China, to replace electricity produced in thermal coal plants.

Emission reductions are calculated according to the « ACM0002 » methodology (grid connected electricity generation from renewable sources) from the United Nations Frame on Climate Change Convention (UNFCCC).

Emission reductions are verified by TUV SUD, independant entity approved by UNFCCC.

This 9 MW run-of-river hydro power project is sited in Guizhou province, on the Xishui river. The electricity produced is provided to the South China 's grid, dominated by fossil fuel-fired power plants : each renewable kWh supplied to the grid avoids emissions from thermal plants.
A meter is measuring the day to day electricity sent to the grid.

This plant produces important economic and social benefits and contributes to sustainable economic developpment of the region :

- It fully takes advantage of available hydrologic resources and alleviates power shortage in Guizhou province
- It strengthens local investment in renewable energy
- It decreases local air pollution due to thermal coal plants
- It creates 15 local full time jobs during the contruction phase

The emission reductions created by the project are of 28 000 tons CO_2 per year .