



Buritis River Hydro Power Plant



Short Description

The project consists in the implementation of a 13 MW run-of-river hydro power plant that produces an average of 95,000 MWh per year for the Brazilian Midwestern electricity grid.

- Project type: Renewable energy, hydro
- Type of certificate: VER
- Quality standard: The project has been validated by BVQI in accordance with Q 27 and is a registered CDM activity.

Project Background

The project consists in the implementation of a 13 MW run-of-river hydro power plant that produces an average of 95,000 MWh per year for the Brazilian Midwestern electricity grid. The installation of an up-to-date energy generation technology does not only lead to the reduction of greenhouse gas emissions through replacement of energy generation from fossil fuels, but also to a more secure and diversified energy portfolio in the region. This is particularly important in view of the growing demand for electricity in Brazil.

The project improves the supply of electricity with clean, renewable hydroelectric power while contributing to the local economic development. Small-scale hydropower run-of-river plants provide local distributed generation, in contrast to the business-as-usual large hydropower and natural gas fired plants. These small-scale projects provide site-specific reliability and the transmission and distribution of benefits.

Sustainable Development

The project improves the supply of electricity with clean, renewable hydroelectric power while contributing to the local economic development. It reduces emissions of greenhouse gas by avoiding electricity generation by fossil fuel sources. As the project only needs a minor basin, negative environmental impacts are reduced to a minimum.

The project location is at a remote, peripheral area of the interconnected electricity grid, where power shortages and blackouts are frequent. The power insecurity is a threat to local economic development. The project thus contributes to a sustainable development in the region and creates work opportunities. The local population moreover receives economic benefits from royalties paid to the municipalities for the water rights granted to the project.

