

# CDM HYDROPOWER PROJECT – DAK NE, VIETNAM

## **Objective: Renewable electricity generation to reduce greenhouse gas emissions**

The objective of Dak Ne hydropower project is to generate electricity by utilizing hydroelectric resources from Dak Ne river and supplying the generated power to the electricity grid of Vietnam. The project aims to reduce greenhouse gas emissions by avoiding CO<sub>2</sub> emissions from fossil fuel based power plants.

## **Background:**

Currently electricity delivered to the national grid has been generated by power plants and by the addition of new, mainly coal and oil-fired generation capacities.

## **Project description:**

- > The project involves the construction and operation of a new run-of-river hydropower station based in the Kon Ray district with a total installed capacity of 8.1MW. The average annual electricity generation is 38,000 MWh and will be transmitted to the Vietnamese national grid through Kon Tum – Kon Plong transmission line.
- > The project involves the installation of three Francis turbines with a capacity of 2.7 MW each and will lead to a reduction in greenhouse gas emissions – especially CO<sub>2</sub> through the displacement of electricity generated by fossil fuel power plants.



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**Benefits: Zero emission electricity for Vietnamese electricity grid and reduction of CO<sub>2</sub>e emissions of 20,600 t CO<sub>2</sub>e per year**

- > During the construction and operation of the power plant jobs will be created for local people and related training programs will increase their skills. This will assist in advancing the economic development of the region and improve the living standard in the area.
- > The Project will relieve the power shortage problem in the local area and obtain pro-active solutions to the National electricity grid break downs.
- > The Project will supply renewable and zero-emitting energy to the National electricity grid and reduce reliance on exhaustible fossil fuel based power sources and emissions of CO<sub>2</sub>.



Project title	DAK NE HYDROPOWER PROJECT
Project type:	Small Hydro
Host country:	Vietnam
Project status:	Registered as CDM project activity at the UNFCCC since August 28th, 2010
Crediting period:	7 years Start: August 28th, 2010
Emission reduction start:	September 2010;
Average Emissions reductions p.a.:	20,600 t CO <sub>2</sub> e