

## CHINA: ZHONGFANG COUNTY PAILOU HYDROPOWER PROJECT

Kyoto Mechanism:	Clean Development Mechanism
Project Category (UNFCCC):	ACM0002 „Consolidated baseline methodology for grid-connected electricity from renewable sources“
Location:	Pailou, Zhongfang County, Province Hunan, China
Emission Reductions purchased:	305,000 t CO <sub>2e</sub>



The Zhongfang County Pailou project is a 18.9 MW run-of-river hydropower plant located on the downriver of Wushui River, Zhongfang County, Hunan Province, one of the poorest regions of China. The project operator installed three sets of 6.3 MW turbines for a total installed capacity of 18.9 MW. The construction of the hydropower plant has already started at the end of

2003 for the first time. However, due to a flood disaster in February 2005 big parts of the plant under construction were destroyed. The information about the partial financing through the revenues from the sale of the Certified Emission Reductions (CERs) under the Clean Development Mechanism resulted in the resumption of construction activities and their completion in May 2007. The proposed project has started operations at the end of 2007.

It is estimated that the annual generation of the proposed project will be 80,210 MWh. The generated electricity will be fed into the Central China Power Grid. By replacing electricity generated by fossil fuel fired power plant the proposed project will generate 305,000 tons of CO<sub>2e</sub> emission reductions between 2008 and 2012.