

CHINA: HUNAN DONGPING HYDROPOWER PROJECT

Kyoto Mechanism:	Clean Development Mechanism
Project Category (UNFCCC):	ACM0002 „Consolidated baseline methodology for grid-connected electricity from renewable sources“
Location:	District Anhua, Province Hunan, China
Emission Reductions purchased:	978,400 t CO _{2e}



The Hunan Dongping Hydropower project is a 72 MW run-of-river hydropower station in Anhua District, Hunan Province, one of the poorest regions in China. Four 18 MW turbine/generator sets were installed with the aim to generate electricity for the Central China Power Grid. The planning and operation of the hydropower station included the construction of a low gravity dam with a maximum height of 19 metres and a basin with a volume of 19 million m³. The proposed project has been approved by the National Authority of China in May 2007 and started operations in 2008.

It is estimated that the annual generation of the described project will be 271 GWh. The generated electricity will be fed into the Central China Power Grid in order to meet the increasing energy demand of the country. By replacing electricity generated by fossil fuel fired power plant the proposed project will annually generate 195,680 tons of CO_{2e} emission reductions. As a result, the project will generate 978,400 tons of CO_{2e} emission reductions until 2012.

The project will create 300 new jobs during the construction stage and another 50 new jobs during the operating stage.