CHINA: SICHUAN PROVINCIAL LONGCHI & CAOZUAN 9 MW SMALL SCALE HYDRO POWER BUNDLE PROJECT

Kyoto Mechanism:	Clean Development Mechanism
Project Category (UNFCCC):	ACM0002 „Consolidated baseline methodology for grid-connected electricity generation from renewable sources“ AMS.I.D. „Grid connected renewable electricity generation“
Location:	Shuijing, Pingwu County, Province Sichuan, China
Emission Reductions purchased:	190,286 t CO_{2e}

The Sichuan Provincial Longchi & Caoyuan Hydropower Project consists of the construction of two small diversion plants located on the Huangyang River close to Shuijing in the Sichuan Region.

The measures of the project involve the conduction of 8.4 m³/s of water via pressure tunnels to the turbine house. The generation of energy results from two turbines with a total installed capacity of 9 MW. The energy generated from this project sums up to about 52.4 GWh annually and will be fed into the Central Chinese Power Grid via the 35kv switchyard of Shuijing.

The expected emission reductions generated through the implementation of this project are based on the production of electric power from renewable energy sources and the substitution of energy coming from the public power grid. This leads to an estimated annual emission reduction of about 48,000 tons of CO_{2e}. The operation of the plant has started in April 2008. The earthquake occurring in the province of Shichuan in Mai 2008 lead to a short-term interruption of power supply (however did not create any constructional damages) and resulted in a minor reduction of the quantity delivered.

Due to the project 37 new permanent jobs during the operation stage are being created.