

(SMALL) HYDROPOWER

CHINA



Project Type:	Renewable Energy
Project Name:	Dachunhe Sanji 6MW Hydropower Project in Yunnan Province
Region:	Located within Shuitang Town, Xinping County, Yuxi City, Yunnan Province
Project Description:	<p>Most of China's energy is generated by burning coal, which emits a large amount of CO2 and damages our climate and the environment. Air pollution is also a huge problem in China. The transition to a renewable energy system is seen as a prerequisite for China's sustained development.</p> <p>This small scale hydropower project generates clean energy by utilising the water resources of the Dachunhe River to generate electricity, which is delivered to the</p>

	<p>China Southern Power Grid. The project has a total installed capacity of 6 MW consisting of two sets of 3 MW turbines and generators, with a power output of 26,019MWh per annum. There is no reservoir formed in the project, so there is no submerged land or community displacement.</p> <p>The project achieves greenhouse gas (GHG) emission reductions by displacing fossil fuel-fired power plant equivalent electricity supplies.</p>
<p>Co-Benefits:</p>	<p><i>Environment Benefits:</i></p> <ul style="list-style-type: none"> • Lowers CO2 emissions • Improves air quality by reducing NO2 and SO2 levels <p><i>Socio-economic Benefits:</i></p> <p>Projects such as this in remote and less developed areas, reduces the migration of people to the already overcrowded cities by providing opportunities to develop themselves while remaining in a familiar environment. In summary, the project:</p> <ul style="list-style-type: none"> • Creates jobs • Improves economic development and infrastructure • Builds knowledge and expertise within the hydro-energy sector • The local population has access to a stable source of sustainable energy <p>Note: During the dry seasons (Jan to May) the project stops operation in order to guarantee irrigation and ecological water to the community.</p>
<p>Standard:</p>	<p>Verified Carbon Standard</p>
<p>Vintage:</p>	<p>2010-2013</p>
<p>Emission Reductions:</p>	<p>22,688 tCO2e per year</p>
<p>Crediting Period:</p>	<p>Renewable (3×10 years)</p>

