

Zhongshan County Micro Hydro Project Bundle No.1

Brief description

Zhongshan County Micro Hydro Project Bundle No.1 (hereafter referred to 'the project') consists of three small hydropower stations, i.e. Zhoujianaoh Hydropower Project, Daping Stage II Hydropower Project, and Zhongshan Caoduiyuan Hydropower Project. All of these hydro power stations are located in Guangxi Province, Hezhou City Zhongshan County. The main purpose of the project is to generate electricity from renewable resources and supplies to the China Southern Power Grid (hereafter referred to 'CSPG'), displacing the electricity generation from fossil fuel based power plants connected to CSPG, thereby reducing the greenhouse gas (GHG) emissions.

The total install capacity of the project is 2.8MW, and the total electricity supplied to the local grid is estimated to be 6,460 MWh per year. The emission factor for CSPG is 0.4976t/MWh, thus the estimated total emission reduction is 3,214 tonnes per year for the project.

The project makes contribution to the local sustainable development as follows:

1. GHG emission reduction

This project activity achieves greenhouse gas (GHG) emission reductions by avoiding CO₂ emissions, as grid-connected power stations in the CSPG are dominated by fossil fuel-fired power plants.

2. Pollutants emission reduction through replacing fossil fuel combustion

This project replaces grid-connected fossil fuel-fired power plants in the CSPG, and thus reduce fossil fuel consumption and avoid pollutants emission, such as sulfur dioxide, carbon dioxide and dust, etc., brought by fossil fuel combustion. Therefore, this project has obvious environmental benefit.

3. Employment opportunities

This project offers job opportunities for local people.

4. Economy development

The region can achieve economic growth and booming of local tourism through the construction and operation of the project. Furthermore, the project contributes to local government with more tax revenues and poverty eradication.

Project location

The project is located in the Guangxi Province, Zhongshan County. The geographic coordinates for each project is

Project name	Geographic coordinates
Zhoujianaoh Hydropower Project	111°02'16"E; 24°36'50"N
Daping Stage II Hydropower Project	111°03'41"E; 24°38'03"N
Zhongshan Caoduiyuan Hydropower Project	111°07'13"E; 24°43'43"N



Crediting period

This project has been registered as GS project on 15/01/2013, with ID of 1098. The first crediting period is from 15/01/2011 to 14/01/2018. As the first crediting period will be end soon, so the project is applying for renewal crediting period. The start date of the second crediting period is from 15/02/2018 or the date of 4-week review period ends, whichever is later.

Other description

There is no change in the second crediting period. The project operation is the same as the first crediting period.

