

**SECTION A. General description of project activity****A.1. Title of the project activity:**

Xiaojin County Hanniuhe Hydropower Project

Version 1.0 Date: 5<sup>th</sup> December 2011

Version 2.0 Date: 12<sup>th</sup> February 2012

Version 3.0 Date: 18<sup>th</sup> July 2012

**A.2. Description of the project activity:**

The scenario prior to the implementation of the project activity is that electricity delivered to the grid is generated by the operation of grid-connected power plants and by the addition of new generation sources. Coal –fired power generation is currently the dominant power supply option within the Central China Grid. Generation data within the Grid are published by Chinese authorities through the Electric Power Yearbook and the Energy yearly. The baseline scenario is the same as the scenario existing prior to the implementation.

The proposed Xiaojin County Hanniuhe Hydropower Project (hereafter referred to as “the Project”) is a run-of-the-river type hydropower project. The project is located in Xiaojin County of Sichuan Province. The Project is developed and operated by Aba Qingyijiang Hydropower Development Co.,Ltd.

The Project is a dam and diversion conduit type hydropower project with a total installed capacity of 60MW consisting of 2x30 MW units. The expected annual operating hours of the Project is 4,555 hours per annum with resulting expected annual electricity generation of 273,300 MWh per annum. Of this generation figure, 258,446 MWh is expected to be delivered net of transmission loss and auxiliary power to the Sichuan power grid, part of the Central China Power Grid (CCPG).

The Project will result in emissions reductions by displacing an equal amount of electricity from the CCPG, which is predominantly supplied by fossil fuel intensive power plants. By displacing electricity from the grid which would otherwise have been generated by the combustion of more fossil fuel intensive fuels, the Project is expected to result in annual emissions reductions of 187,218t CO<sub>2</sub>e.

The project contributes to the sustainable development of the locality in the following aspects:

- a. The project will provide clean electricity to the local community and reduce the consumption of fossil fuel resulting in greenhouse gas (GHG) emission reductions as well as alleviating local power shortages.
- b. The project activity will provide many temporary employment opportunities during the construction period and operational period, which will increase the income of local residents.

**CDM – Executive Board**

page 3

- c. The project will contribute towards the development of local infrastructure, thus improving the livelihoods of local residents through the payment of taxation to local Government bureaux during the operational phase of the project as well as the construction of roads thus improving mobility of the local community.

**A.3. Project participants:**

<b>Name of Party involved (*)((host) indicates a host Party)</b>	<b>Private and/or public entity(ies) project participants (*) (as applicable)</b>	<b>Kindly indicate if the Party involved wishes to be considered as project participant (Yes/No)</b>
People's Republic of China (host)	Aba Qingyijiang Hydropower Development Co.,Ltd	No
United Kingdom of Great Britain and Northern Ireland	Greenscot Limited	No

**A.4. Technical description of the project activity:****A.4.1. Location of the project activity:****A.4.1.1. Host Party(ies):**

People's Republic of China

**A.4.1.2. Region/State/Province etc.:**

Aba Prefecture(Zhou), Sichuan Province

**A.4.1.3. City/Town/Community etc.:**

Xiaojin County (Xian)

**A.4.1.4. Details of physical location, including information allowing the  
unique identification of this project activity (maximum one page):**

Figure 4.1.4 shows the location of the project.