

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

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Jilin Gongzhuling Biomass Generation Project
Version number of the document: 02.2
Date: 14/09/2012

A.2. Description of the project activity:

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Jilin Gongzhuling Biomass Generation Project (hereafter referred to as the Project) is located in Gongzhuling County, Siping City, Jilin Province, P.R.China. The Project is invested, constructed and operated by National Gongzhuling Bio Energy Co., Ltd. The project activity is to install one boiler with capacity of 130t/h, and one steam turbine power generator with a capacity of 30MW. Rice straw, maize straw, and waste wood are used as fuel for power generation. The annual net quantity of electricity supply of the Project is expected to be 186,270MWh, and the power will be delivered to Northeast China Power Grid (NECPG). The implementation of the Project needs a supply of 305,500 tonnes of biomass residue (on wet basis) per year.

In the absence of the Project, the biomass residues used for the Project would be dumped or left to decay mainly under aerobic conditions, and the equivalent amount of power generated by this Project would be provided by NECPG which the Project is connected to. This is the same with the baseline scenario of the Project.

The Project will achieve emission reductions via avoiding CO₂ emissions from the same amount of electricity generated by NECPG, which is mainly composed of traditional fossil fuel fired power plants. It is estimated that the project activity will generate emission reductions of about 149,248tCO₂e per year.

Grid connected biomass residue power development comply with the national energy strategy. The Project will not only supply renewable electricity to the grid, but also contribute to sustainable development of the local community, the host country and the world by means of:

- ♦ reducing greenhouse gas emissions compared to a business-as-usual scenario;
- ♦ helping to stimulate the growth of the biomass power industry in China;
- ♦ reducing the emission of other pollutants resulting from the power generation industry in China, compared to a business-as-usual scenario;
- ♦ providing local employment opportunities during the construction and operation period of the Project.