

Non-Technical Summary

1. Introduction to the project

Guangzhou Iceberg Environmental Consulting Services Co., Ltd. (hereinafter referred to as Iceberg), a Chinese company committed to providing projects of energy conservation, emission reduction, and clean energy for developing countries through carbon finance, will implement an improved cookstove project in the Philippines. The project will distribute free VWT improved cookstoves to residents. Using these cookstoves can help local communities reduce carbon emissions, improve fuel utilization and thermal efficiency, and reduce fuel consumption, thereby reducing the greenhouse effect and air pollution. The production specifications, production processes, and thermal efficiency of the cookstoves are in line with the Philippine national standards and international standards. This project is only a pilot project. After the successful operation of this project, more improved cookstove projects will be carried out in other regions of the Philippines. The project will be registered as a carbon emission reduction project under an international standard called “Verified Carbon Standard”. Iceberg will have full ownership of the carbon credits generated from the project. The income from selling these

carbon credits to the international carbon market will confirm the sustainability and extendibility of the project.

2. Economic, social and environmental impacts of the project

2.1 Economic impacts

- The project will reduce expenditures of households on firewood.
- The project will contribute to the scale-up of local businesses and organizations with the potential to create jobs during the project, such as the production, marketing, distribution, and maintenance of VWT improved cookstoves.

2.2 Social impacts

- The project helps to provide a safe and hygienic kitchen environment. There is evidence that air pollution is one of the main factors leading to pulmonary dysplasia, pneumonia, and low birth weight in children.¹
- The project will contribute to the health of women and children. Women and young children spend the longest time by the stove and are particularly exposed to soot particles.

¹ WHO, World Health Assembly, 71. 2018, <https://apps.who.int/iris/handle/10665/276321>

2.3 Environmental impacts

- The project will help significantly reduce greenhouse gas emissions from cooking with firewood or other fuels.
- The using of the traditional cookstove reduce indoor air pollution, thus reducing respiratory illness and mortality rates, especially among women and children.
- The project reduces the demand for non-renewable biomass required for the use of cookstoves, which can protect natural forest ecosystems and benefit biodiversity.

3. Contact details for further technical detail and project information

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