

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 provide clean water and energy for developing countries through carbon finance, will cooperate with local NGO Association Rwandaise pour le Développement Endogène (hereinafter referred to as ARDE) to implement a pilot borehole maintenance project in Runda Sector, Kamonyi District, Southern Province of Rwanda. The project will provide clean water for local communities and the water quality will meet the national standard of Rwanda. Although the project only consists of two boreholes, it is just a pilot project and a much larger borehole maintenance project will be implemented after the successful operation of the project. The project will be registered as a carbon emission reduction project under an international standard called “Gold Standard for Global Goals”. Iceberg will have the full ownership of the carbon credits generated from the project. The income from selling these carbon credits to international carbon market will confirm the sustainability and extendibility of the project.

2. Economic, social and environmental impacts of the project

3.1 Economic impacts

- The project will reduce expenditures of households on firewood for water boiling.
- The project will contribute to the scale-up of local business and organizations with the potential to create jobs in borehole, such as productions, assembly, marketing and distribution of related devices.

3.2 Social impacts

- The project will provide safe water to households to reduce water-borne disease. Water-borne disease is a leading cause of death for children under the age of five.¹
- The project will reduce the time and work load to fetch water, which is mostly taken by women and girls in Rwanda

3.3 Environmental impacts

- The project will help significantly reduce greenhouse gas

¹ WHO, Global Water Supply and Sanitation Assessment 2000 Report, 2000, http://www.who.int/docstore/water_sanitation_health/Globassessment/Global1.htm#1.1

emissions from firewood combustion for water boiling.

- The traditional way (three stones) of boiling water produces a lot of smoke and harmful gases. The project will reduce indoor air pollution and therefore respiratory illness and mortality rates, especially among women and children.
- The project reduces the demand for non-renewable biomass and fossil fuels required for water boiling, which can protect natural forest eco-systems and benefit biodiversity.

The implementation plan of the project is shown as follows:

<u>Content</u>	<u>Time</u>
<u>Site visit and holding of local stakeholder consultation meeting</u>	<u>12/2020</u>
<u>Project Implementation</u>	<u>01/2021</u>

The project will last for 15 years.