

Non Technical Summary

1. Introduction to the projects

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 Social Aid to implement four borehole maintenance projects in Cox's Bazar District, Chittagong Division of Bangladesh. The projects will provide clean water for local communities through maintaining no fewer than 100 boreholes. The broken boreholes will be identified and the broken parts of boreholes, such as hand pumps, will be rehabilitated. Chemical disinfection will be applied in case that water quality cannot meet the related requirements of Bangladesh after borehole maintenance. The four projects will be registered as carbon emission reduction projects under an international standard called "Gold Standard for Global Goals". The income from selling these carbon credits to international carbon market will confirm the sustainability and extendibility of the projects. The Projects are small scale projects since their annual emission reductions achieved will be less than 60,000 tCO₂e each, which is the threshold of small

scale project. The duration of the projects is 15 years.

The implementation plan of the projects is shown as follows:

Content	Time
Site visit and holding of local stakeholder consultation meeting	05/2021-06/2021
Projects Implementation	06/2021-11/2021

Donation and carbon transfer agreements will be signed between the project developer and water management committees where the projects are located. So the project developer has full rights over the Products generated from Gold Standard Certification.

2. Economic, social and environmental impacts of the projects

2.1 Economic impacts

- The projects will reduce expenditures of households on firewood for water boiling.
- The projects 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.

2.2 Social impacts

- The projects 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 projects will reduce the time and work load to fetch water, which is mostly taken by women and girls in Rwanda

2.3 Environmental impacts

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

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

3. Contact details for further technical detail and project information

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Instruction for Social Aid (**Please do not print it**)

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