Improving lives through efficient household devices by ClimatePartner Impact, VPA-1

Non-Technical Summary

Meghalaya, India

Gold Standard Improved cookstove project

est. 15,000 households

ClimatePartner Impact GmbH & GHE Impact Ventures Pvt. Ltd. invites stakeholders to provide feedback on the planned Gold Standard Microscale project "Improving Lives Through Efficient Household Devices by ClimatePartner Impact, VPA-1" that will be implemented in the state of Meghalaya, India.

The project will involve the distribution of 15,000 fuel efficient cook stoves in total to households cooking with firewood on traditional cookstoves. By the implementation of the project, traditional stoves ("Chullah") will be replaced with project stoves that have higher efficiency, and the fuelwood consumption and related carbon emissions will be significantly reduced.

Title of the Programme of Activity (PoA) Project Design	Improving Lives Through Efficient Household Devices by ClimatePartner Impact
Title of Voluntary Project Activity (VPA)	Improving Lives Through Efficient Household Devices by ClimatePartner Impact, VPA-1
Project Boundary	Meghalaya, India
Number of households to be covered	15,000
Activity Requirements applied	Community Services Activities
The methodology applied and version number	The Gold Standard Simplified Methodology for Clean and Efficient Cookstoves, version 3.0
Product Requirements applied Investment Options	GHG Emissions Reduction & Sequestration
Project Cycle and Type	Regular Gold Standard Voluntary Emission Reduction
Project Start Date	December 2022

Impacts of the project

The project will lead to a significant improvement in living conditions in the participant households, since it will:

- Reduce exposure of participants to toxic smoke due to the use of firewood for cooking
- Reduce the time and money spent by participants on collecting and buying firewood for cooking
- Reduce the exposure of women and girls to dangers and violence faced while going away from the home to collect firewood
- The reduction in fuel consumption translates into a direct reduction in GHGs, helping to combat global climate change

Contribution to the United Nations' Sustainable Development Goals (SDGs)

The project intends to contribute the following SDGs:

Households participating in this programme would get access to improved cookstoves to perform their basic cooking requirements. (1.4)

The improved cookstoves significantly reduces the smoke, carbon monoxide, and particulate matter which contributes to an improved indoor air quality, especially where cooking is done inside the household in poorly ventilated spaces. (3.9)

This program also aims to providing awareness raising to participating households and local stakeholders on sustainable development, environmental protection, climate change, etc. (4.4)

As the improved cookstoves considerably reduces the need for firewood, the time saved in collecting firewood from forests and quick cooking helps the households, especially women and young girls in most cases who are tasked with wood gathering and cooking. (5.4)

This program aims at providing access to improved cookstoves to as many households as possible in the region/countries it operates. (7.2)

This program through it's lifetime will create numerous employment opportunities for the distribution, repair and maintenance and periodic monitoring of cookstoves. All of this would be aimed at local job creation and capacity building. (8.5)

Households participating in this programme would help significantly reducing the GHG emissions using the new improved cookstoves compared to their current 3-stone/traditional cookstoves. (13.2)

As the firewood consumption would fall down with the new improved cookstove, the pressure on the forests to supply firewood too will be less, especially the non-renewable biomass. This would help slowing down deforestation rates. (15.1)

Geographic boundary

The project area is located in the state of Meghalaya, India.

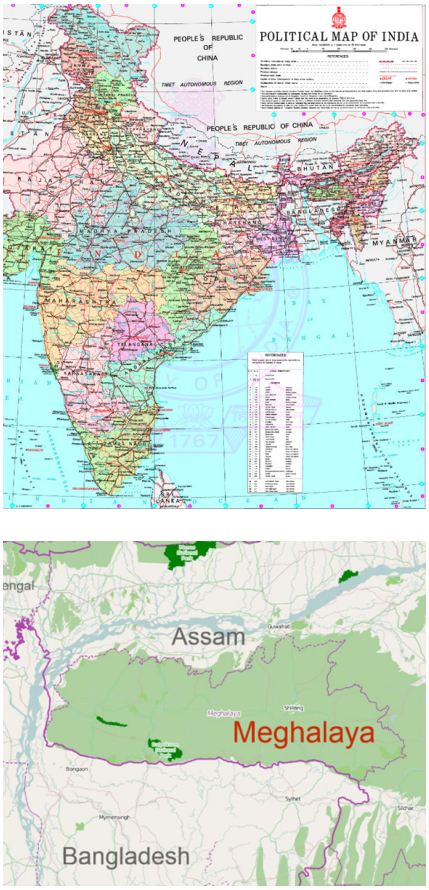

Figure 1: Geographic Boundary of the Voluntary Project Activity

Proposed Intervention

It is planned to distribute 15,000 Greenway Jumbo Stove model improved cookstoves in the remote villages of Meghalaya during the first phase of the program which will be including multiple micro-scale VPAs.
Greenway Jumbo Stove is a single-burner, high-efficiency cookstove that works on all solid biomass fuels such as wood, dry dung, crop waste, coconut waste, bamboo etc. The stove does not require any fuel processing/cutting.

Improved Cookstove Design Features

- Size: 12.4" x 10.6" x 11.6"
- Materials: Steel and Aluminum with Bakelite Handles
- Loading Capacity: 40 kg
- Secondary Air Induction Mechanism: Yes
- Design Life: Up to 5 years
- Fuel Savings: 60%
- Efficiency: 38%

Figure 2: Greenway Jumbo Stove improved cookstove

Target group and baseline scenario

Figure 3: Cookstove used in baseline scenario

The project's target areas will be in the villages located across the state of Meghalaya, India where households depend on firewood (mostly non-renewable biomass) for cooking activities.

Due to the hilly terrain and challenges in connectivity, the households in this region do not avail access to clean cooking such as LPG, or improved cookstoves, and are totally dependent on the three-stone fires or traditional biomass cookstoves knows as 'Chullahs'. The dietary pattern of these communities include rice as a staple food and meat like pork, chicken, etc. These eating habits are a strong sense of their cultural identity and can involve multiple cooking sessions per day.

Cooking on traditional stoves also poses barriers to women's and girls' equality, since they often spend long hours in routine unpaid caregiving work each day caring for their families which includes household chores such as cooking, cleaning, and collecting firewood - time that could otherwise be spent on income generating activities, education, or recreation.

Cooking on traditional stoves also poses barriers to women's and girls' equality, since they often spend long hours in routine unpaid caregiving work each day caring for their families which includes household chores such as cooking, cleaning, and collecting firewood - time that could otherwise be spent on income generating activities, education, or recreation.

Aim of the Local Stakeholder Consultation

This consultation aims to discuss and debate the potential environmental, social, and economic impacts that the project may have during its implementation with the various stakeholders.

Details of Stakeholder Consultation

Location: Mendipathar, Resubelpara, North Garo Hills, Meghalaya

Date: 19 December 2022

Time: 11.30 am

Venue: Multipurpose Meeting Hall, Mendipathar

Figure 4: Local community

Carbon Finance

The distribution of fuel-efficient cook-stoves will be financed by ClimatePartner Impact. The project will be registered with the Gold Standard through it's Programme of Activities (PoA) mechanism, which will issue verified emission reduction credits to the project for each ton of CO_2 emissions saved/reduced. Income generated from the sale of these credits will be used to fund the distribution of the stoves, ensure maintenance and repairs over the lifetime of the project, monitor, and scale the project.

Contact Details

ClimatePartner Impact GmbH is the project development subsidiary of ClimatePartner GmbH which was registered in 2006 in Germany and is a one-stop service provider for all needs connecting to climate neutrality, from the calculation of net-zero targets, product, and activities footprint to offsetting of residual emissions. ClimatePartner Impact will act as the Project Owner & Developer of this Programme of Activity (POA), and the subsequent Voluntary Project Activities (VPAs).

GHE Impact Ventures Pvt Ltd is the one of the world's first organizations using the force of tourism coupled with technology to bring development access to the remotest communities of India. The organization has been commended by the world's leading organizations such as WEF, BBC and G20 for its efforts to combat climate change and create resilient mountain communities through its development interventions. Over the last 9 years, GHE has impacted over 300,000+ lives across several regions of India and was recently awarded with the United Nations Climate Action award 2020 for its innovative approach to finance climate mitigation solutions for rural communities. GHE will play the role of the implementation partner for the VPAs in Meghalaya.

ClimatePartner Impact GmbH

Role: Project Owner and Developer
Address: St.-Martin-Straße 59, 81669 München, Germany
Represented by: Mr. Bhushan Trivedi
(Team Lead – Project Development)
Email: bhushan.trivedi@climatepartner.com
Phone +49 89 12228750

GHE Impact Ventures Pvt. Ltd.

Role: Implementation Partner
Address: TR-215, G Floor, Success Tower B, The Co-working, Sector 65, Gurugram 122005, Haryana
Represented by: Jaideep Bansal (CEO)
Email: jaideep@ghe.co.in
Phone +91 8146846677