

Improved cookstoves and healthy lives in Nepal - VPA 4

Non-Technical Summary



Salyan, Rolpa and Gulmi
Nepal



Gold Standard
Improved cookstove project



est. 15,000
households / year

ClimatePartner Foundation gGmbH & Die Ofenmacher e. V. invites stakeholders to provide feedback on the planned Gold Standard Micro-scale project “Improved cookstoves and healthy lives in Nepal VPA-4” which has been implemented in the Salyan, Rolpa and Gulmi districts of Nepal.

The project will involve the installation of around 15,000 fuel-efficient Improved cookstoves every year in households currently cooking with firewood using traditional methods. By the implementation of the project, traditional methods (“Three-stone”) will be replaced with project stoves that have higher efficiency, consume less fuelwood, and therefore reduce related carbon emissions significantly.

Title of the Programme of Activity (PoA) Project Design	Improved cookstoves and healthy lives in Nepal
Title of Voluntary Project Activity (VPA)	Improved cookstoves and healthy lives in Nepal VPA-4
Project Boundary	The geographical boundary of Nepal
Number of households to be covered	Estimated 15,000 per year
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	Retroactive Gold Standard Voluntary Emission Reduction
Project Start Date	Year 2024 (Retroactive inclusion)











Impacts of the project

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

- Reduce exposure of participants to toxic smoke due to the chimney (exhaust) system.
- Reduce the time and money spent by households 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.
- The project will provide direct and indirect benefits to the people Such as Jobs, training etc.

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 micro-scale PoA boundary is the whole of Nepal, which has started its first VPAs in the Nuwakot region. Now the PoA is expanding to the Salyan, Rolpa and Gulmi regions and may expand to other regions in the future.

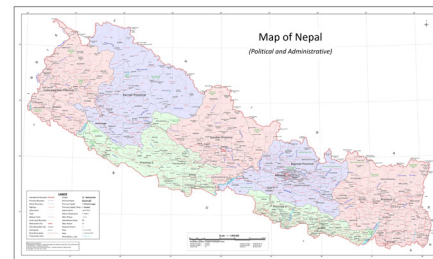


Figure 1: Map of Nepal

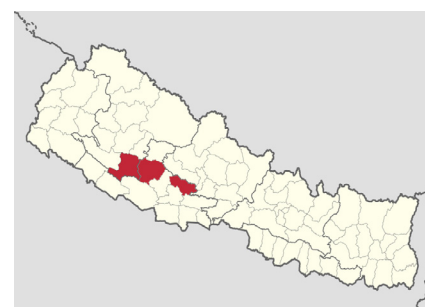


Figure 2: The fourth Voluntary Project Activity (VPA) is located in the Salyan, Rolpa and Gulmi districts and subsequent stove installations will scale up via multiple VPAs.

Proposed Intervention

The project plans to install 15,000 improved cookstoves per year in the remote villages of Nepal during the program's second phase, which will be included under multiple micro-scale VPAs. The improved cookstove is a dual burner, mud-based high-efficiency cookstove that works on all solid biomass such as wood, dry dung, crop waste, coconut waste, bamboo etc. The stove does not require any specific fuel processing/cutting.



Figure 3: Recipient with improved cookstove



Target group and baseline scenario

The project 's target areas will be in the villages located across the host country Nepal 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 easily avail access to clean cooking such as LPG, or improved clean cookstoves, and are majorly dependent on the three-stone fires or traditional cooking methods.

Cooking on traditional stoves also poses barriers to women's and girl's equality, since they often spend long hours in routine unpaid caregiving work each day 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.

Figure 4: Cookstove used in baseline and target groups.

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: Pyuthan, Nepal

Date: Friday, May 31st 2024

Time: 10:00 am to 1:00 pm

Venue: Hotel Swargadwari Darshan, Bhingri 3, Pyuthan



Figure 5: Project team and local community

Carbon Finance

The installation of fuel-efficient cookstoves will be financed by ClimatePartner Foundation. The project will be registered with the gold standard through its program of Activities (PoA) mechanism, which will issue verified emissions reduction credits to the project for each ton of CO₂ emission saved/reduced. Income generated from the sale of these credits will be used to fund the distribution of cookstoves, ensure maintenance and repairs over the lifetime of the project, and scale the project.



Contact Details

ClimatePartner Foundation gGmbH is a sister-organization of ClimatePartner GmbH. ClimatePartner Foundation gGmbH is a non-profit organization for the promotion of education and nature conservation by promoting climate action at home and abroad as well as the sustainability goals of the UN Sustainable Development Goals (SDGs). ClimatePartner Foundation gGmbH will act as the Project Developer of this Programme of Activity (POA), and the subsequent Voluntary Project Activities (VPAs).

Die Ofenmacher e.V. is the cookstove-focused project implementor with the purpose to spread smoke-free kitchen stoves in rural households, especially in developing countries. The association was founded in 2010 and is based in Munich and active in Nepal for the past 12 years. The organization is aiming towards social welfare by implementing, monitoring, and managing cookstoves in poor households using traditional methods for cooking.



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