



# Clean Cooking in Nepal

*Providing Clean, Smokeless Cookstoves to communities*



## Scenario

Nepal is a landlocked country between India and China. Classified as a Least Developing Country (LDC), ranking among the top twelve poorest countries of the world; Over 30 per cent of Nepalese live on less than US\$14 per person, per month, according to the national living standards survey conducted in 2010-2011.

Characterised by a large rural population, the average family (consisting of five members) income is 77\$ approximately.

With agriculture as the main source of livelihood, a lack of affordable energy sources has driven unsustainable fuel wood removal, which has been identified as a key driver of forest degradation in Nepal.

According to the Asia Forestry Outlook Study 2020, forest coverage in Nepal has recently been reported at about 39.6% - a sharp decline from 42.7% in 1978.



### Implementation Partner

**Environment Protection Centre,  
Nepal (EPC)**

*Nepal is especially vulnerable to health impacts of climate change as the country has low adaptive capacity due to weak health infrastructure and services, and a fragile ecological system.*

**Annual average emission reduction over the crediting period**

**55,000 tCO<sub>2</sub>e**



### Location:

**Country:** Nepal

**Province:** No. 2 & No. 3

**District(s):** Bara, Rautahat, Nuwakot, Sindhuli, Saptari

## The Project

In the National Climate Change Impact Survey 2016, conducted by the Central Bureau of Statistics, Govt. of Nepal, 88.7% households reported use of firewood for cooking.

Use of fuelwood, as a part of biomass use, contributes mainly to cooking and heating homes. Traditional cookstoves use up to 3 kg of fuelwood per day. This also leads to Household Air Pollution (HAP), having dire consequences for women and children.

Despite these circumstances, majority of rural households have been using more climate adaptation practices in comparison to urban households. Recognizing the communities' adaptation efforts and in parallel to the Govt. Nepal's to Clean In the National Climate Change Impact Survey 2016, conducted by the Central Bureau of Statistics, Govt. of Nepal, 88.7% households reported use of firewood for cooking.

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adaptation practices in comparison to urban households. Recognizing the communities' adaptation efforts and in parallel to the Govt. Nepal's to Clean Cooking Solution to All Initiative, the Environment Protection Centre, Nepal (EPC) and VNV Advisory Services are joining hands to bolster this change into a sustainable way of living. This initiative aims to provide Clean, Smokeless Cookstoves to the communities which will reduce the use of fuelwood to just 1.4 kg from 3 kg per day.

*HAP is the third leading risk factor for ill health, accounting for over 7,500 deaths each year Nepal.*

## Duration of the Project

5 Years



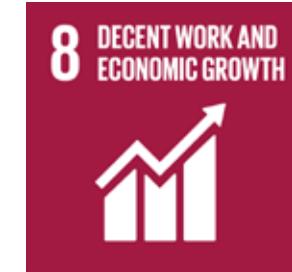
## Contribution to SDGs



Protection and enhancement of biodiversity and safeguarding of watersheds and forests



Improved livelihoods and income generating activities



Job Creation for the purpose of implementation of project activities.



44,000 tCO2 carbon benefit over 4 years through Gold Standard VER



Formation of SHGs, Farmer Groups and Women-led micro finance institutions



Improved air quality due to fuel efficient and smokeless stoves. Facilitation of sustainable organic farming and horticulture systems



Access to fuel efficient and smokeless stoves

## Intended Outcomes



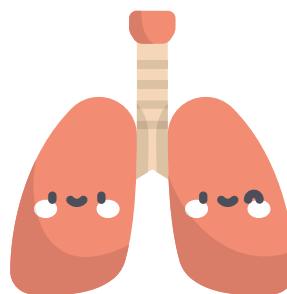
Forest conserved and degraded forests restored.



Formation of SHGs and Farmer Groups and bank account creation



Carbon benefit of 275,000 tCO<sub>2</sub>e over 5 years



Improved air quality with use of fuel efficient and smokeless stoves



Reduced use of firewood with introduction of fuel efficient stoves



Women administered micro finance institutions created

## Intended Outcomes

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Community led implementation and  
community level project management  
and monitoring



Formation of SHGs and Farmer Groups  
and bank account creation



Job Creation within the local  
community for the purpose of project  
implementation

## Emission Reduction

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Year	2018	2019	2020	2021	2022	Total
GS VER	55,000	55,000	55,000	55,000	55,000	275,000

## Our Partner - Environment Protection Centre, Nepal (EPC)

Environment Protection Centre, Nepal (EPC) is a leading organisation in its domain. EPC has been working in this area for 7 years now. In this time frame, they have deployed over 300,000 cookstoves. They have a extensive knowledge of the economic status, social and cultural predisposition and the potentials that the various RET might have in the Central Terai. It also has experience in RET promotion and supply specifically in that Districts. Based upon this knowledge and experience, EPC Nepal proposes the 5 year expected results. They are located in Rautahat in Nepal.

*Environment Protection Centre, Nepal (EPC) and VNV Advisory Servies are joining hands to provide Clean, Smokeless Cookstoves to the communities. These cookstoves have an efficiency of 24%.*







## VNV ADVISORY

VNV Advisory Services has been at the forefront of working with climate change and livelihoods. Our decade-long experience has seen us develop low-carbon projects that support these communities in getting their basic needs while adapting to and mitigating the harsh impacts of climate change. We work in areas of clean cooking, social forestry, sustainable agriculture, rural energy access and many other related community based technologies. With support from over 40 NGOs and implementation partners, our work encompasses over 4 million rural households and 50,000 hectares of forest areas under management across the South Asian (India, Bangladesh, Nepal, Laos, Myanmar and Sri Lanka) region. We have also been able to engage with businesses to address issues of Social Responsibility, Environmental Sustainability and Carbon Neutrality.



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