

Grouped Projects for Improved Cookstove for Climate and Community Action

Project ID: VCS 2548

Registration Date: 04/03/2022



Project Proponent

Organization name	Sustainability Investment Promotion and Development Joint Stock Company (a member of INTRACO Holdings)
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Project Description

The grouped projects aim to reduce the woodfuel consumption of traditional stove users by distributing energy-efficient Improved Cookstoves (ICS) to households and communities in Vietnam. By reducing the consumption of woodfuel, it can contribute to improving public health problems. Furthermore, this proposed project can contribute to Vietnam's climate change response and sustainable development.

The project activity targets households in rural communities with no previous ICS access. Sustainability Investment Promotion and Development Joint Stock Company (SIPCO) shall fully finance the project's implementation.

The Project activity shall promote the dissemination of energy-efficient ICS. This will in turn reduce deforestation and degradation of forests in Vietnam through the participation of the people in adopting energy-efficient stoves. This also contributes to improvement in the quality of life of the people from Vietnam through reduction of drudgery, time and money spent on fuel wood collection, and through improvement of indoor air pollution. Globally, the project shall contribute by reducing the emission of GHG into the atmosphere.



Crediting Period

The grouped projects distribute 216,893 ICSs to households in Vietnam that do not have access to clean cooking. The estimated annual emission reduction for the grouped projects is 257,138 tCO₂e/year. The estimated total emission reductions for a 10-year crediting period will be 2,571,382 tCO₂e.

Audit Type	Period	Program	VVB Name	Number of years
Validation	From 01/11/2021 to 31/10/2031	VCS	Carbon Check (India) Private Limited	10



Start date of crediting period:
01/11/2021

End date of crediting period:
31/10/2031

Total number of years:
10 years, 00 months



**650,248
tCO₂**

has been issued up to the year
2024

**1 carbon credit
=
1 tCO₂ reduction**

Estimated GHG emission reductions or removals

Year	Estimated GHG emission reductions or removals (tCO ₂ e)
2021	1,626
2022	264,041
2023	330,949
2024	297,850
2025	276,995
2026	264,759
2027	258,140
2028	248,221
2029	231,664
2030	215,116
2031	182,021
Total estimated ERs	2,571,382
Total number of crediting years	10
Average annual ERs	257,138

Technology

As per the water boiling test conducted by GERES Biomass and Energy Laboratory (GBEL), the thermal efficiency of the improved TK90 ICS is projected to be 30.25%. The ICS has an expected lifespan of at least 10 years.

The TK90 stove allows for significant savings of firewood compared to traditional stoves and is especially suitable for the cooking habits of the people in the target group. Its design ensures efficient combustion of fuel and cleaner fire and therefore uses considerably less fuel as compared to traditional stoves. This means speedy cooking, time and fuel savings, cleaner pans, kitchen walls, and the indoor atmosphere.

This cookstove model is being produced and planned for distribution for project activities instance in the grouped project. Other cookstove models shall be added later if there are plans to distribute them.

The project promotes the energy-efficient improved cooking stove (ICS) which directly reduces fuelwood consumption, which is non-renewable biomass having a higher emission factor. As an associated benefit, the project directly helps reduce the rate of deforestation in the host country.

Ownership

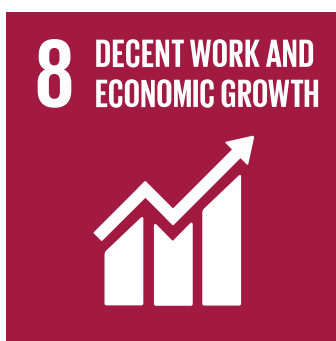
The ownership of carbon credits is exclusivity with the Sustainability Investment Promotion and Development Joint Stock Company (SIPCO). SIPCO is the Coordinating and Managing Entity of the grouped project, and the ownership of carbon credits shall be demonstrated through the following indicative information:

SIPCO purchases ICS directly from the cookstove manufacturer named Viet Charcoal Production Company Limited. The cookstove purchase contract shall be signed between the two parties for each project activity (project instance) in these grouped projects. Every contract shall be attached with a statement or/and a beneficial agreement between the project owner (SIPCO) and the cookstove manufacturer. The statement and/or the beneficial agreement confirm that all carbon credits from the purchased cookstoves for the project activity shall be returned to the project owner without affecting the result with the cookstove manufacturer.

On the other hand, although ICS beneficiaries possess ownership of the cookstove, before installation of each project instance, beneficiaries enter into a beneficiary agreement with SIPCO and prove the SIPCO ownership of the credits through the following declaration “Irrevocably transfer all rights to any Carbon Credits that may be generated by the operation of the improved cookstove to SIPCO, and to take all reasonable steps to affect such transfer; I irrevocably waive any rights to Carbon Credit in exchange for the free supply of the improved cookstove”.



SDGs



THE GLOBAL GOALS