

**Key Project Information for proposed Gold Standard program of activities (PoA):
“Making clean cooking stove accessible in rural households in Nepal: An initiative by
CERPD”**

Project Developer

Carbon Emission Reduction Project Development (CERPD) is an international carbon project development company that is based in South Korea and leads the research and development of greenhouse gas reduction projects. VNV Advisory Services (VNV) is a social enterprise based in Singapore and working with communities for the community based solutions to the climate change mitigation. Now, the CERPD and VNV have joined hands to initiate a Gold Standard program of activities (PoA) based on Improved Cooking Stoves (ICS) targeted to the rural households in Nepal that rely on traditional stoves to meet the basic energy supply required for cooking. CERPD will provide initial funding required to implement the PoA while the VNV will be responsible for the VPA implementation. Depending on need, the project developer or implementer may partner with other legal establishments in the host country.

Program Implementation Approach

The project will identify the potential beneficiaries for the project in consultation with the respective local governments or any other form of organized group of users', for example, local clubs, saving groups, community forest users' group, cooperatives etc. The ICS units will be distributed to the beneficiaries free of cost and the project developer will recover the associated costs with resulting carbon revenues. Integrated to its design the program will support the users with post-installation repair and maintenance services as well as support behavior change activities including, but not limited to, the sensitization programs and orientation on kitchen management.

The program will implement the VPAs starting from May or June 2022 in different parts of Nepal and aims to disseminate a natural or forced draft ICS. The program aims to implement around ten Voluntary Project Activities (VPAs) between June and September 2022 and based on the implementation progress and the needs identified the program scope shall be scaled-up. The first set of ten VPAs will be implemented in Madhesh Province of Nepal and the further VPA implementation will be expanded in other areas in Madhesh province as well as in other provinces. Each ICS implemented by the program will have a useful life of at least five years on normal usage and there will be around 2,000 ICS in one project/VPA.

Technology

The project will avail the households with forced or natural draft ICS depending on the need as identified through discussion with the respective local government or/and the other organized users' group. The project will promote rocket stove which is an improved stove design developed by Larry Winiarski and the Aprovecho Research Center. Each stoves disseminated

under the project will reduce the firewood consumption at least by half which in turn reduces environmental pollution associated with the use of traditional cooking stoves.

Sustainable Development Benefits

The project positively benefit towards a) Good health and well-being (SDG3); b) Clean Energy Access (SDG7) and c) reducing CO2 emissions (SDG13). In domestic sector, household air pollution is one of the biggest health risks in Nepal which is largely attributed to the use of solid biomass fuel, mainly firewood for cooking purposes. This way of using biomass causes about 8,700 premature deaths annually (WHO, 2009). Health safety concerns from open fire traditional cookstoves are additional risks that contributes to subsequent injuries. The nexus of firewood consumption with the indoor air pollution and greenhouse gas (GHG) emission is well established. Specifically, the firewood sourced from Nepalese forest does not entirely come from the forest area that is renewable. Therefore, the firewood consumed is fossil in origin that results in irreversible emissions of GHGs. By use of ICS the firewood consumption will be reduced which in a way improves the indoor air pollution and therefore health of family members.

