

Efficient Stove and Briquetting Project in India

This project is focusing on the densification of biomass to replace LPG (Liquefied Petroleum Gas) and provide efficient smokeless stoves to restaurants, temples, mid-day school programs and hospitals.



Institutional Gasifier Stove IGS2 developed at AIT

In the beginning, fifty villages located near Kotdwara under the district of Pauri-Garhwal are involved into the project. A cluster operator who interfaces with the villages and a Self Help Group of around 8-10 people, who collects the biomass, will be formed. The biomass will primarily come from agriculture and forest residues. The operator will also be in charge for distributing the stoves. The low cost of biomass, less than half the equivalent amount of LPG, will be the main motivator for the clients to switch to the clean energy alternative.

The briquetting machine has been developed and is currently in operation in different parts of India. Forced draft gasifier stoves for community cooking applications, developed by Tata Energy Research Institute (TERI) in India, will be used. The gasifier can realize a 50% saving in fuel consumption compared to conventional stoves.

Type	VER Project, Gold Standard validation intended
Location	Kotdwara, district of Pauri-Garhwal, India
Project Type & Activities	Renewable biomass for cooking.
Baseline	Substitution of fossil fuel (Liquefied Petroleum Gas)
Project Volume	< 5000 tonnes of CO ₂ equivalents per annum
Implementation Date	2008
Crediting Period	7 years