

Non-Technical Summary of the Project

CO₂ NetZero Solutions (India) is undertaking a significant project in rural Madhya Pradesh, involving the widespread distribution of Improved Cookstoves (ICS) to low-income consumers. These modern ICS serve as highly efficient replacements for traditional mud stoves (chulhas), offering remarkable benefits. They bring about a 65% reduction in fuel consumption and a 70% decrease in smoke emissions. The ICS can operate using various solid biomass fuels without necessitating any changes in cooking habits.

The implementation of Improved cookstoves holds immense potential in mitigating the adverse health effects caused by the inhalation of smoke from conventional cookstoves. By minimizing harmful emissions such as CO, PM, and GHGs within kitchens, these cookstoves significantly improve the well-being of active beneficiaries, like women, as well as passive beneficiaries, including children, elderly, and disabled individuals who spend considerable time indoors.

Furthermore, improved cookstoves address the inefficiency associated with traditional cookstoves by reducing the amount of wood required to meet household energy needs. This leads to resource conservation and income savings due to lower fuel consumption.

Crucially, the adoption of improved cookstoves contributes to global efforts in reducing greenhouse gas emissions and slowing down deforestation among forest-dwelling communities. Overall, the project's impact extends far beyond just providing energy-efficient cooking solutions, positively impacting health, the environment, and the socioeconomic conditions of the beneficiaries.

A representative from 'CO₂ NetZero' interacted with the local residents in their native language to inform them about the project. To ensure that all relevant stakeholders were aware of the initiative, the project organizers utilized multiple communication methods. They distributed door-to-door invitations, made telephonic calls, to invites to the concerned parties. This comprehensive awareness campaign commenced 30 days before the actual meeting took place.