

IMPROVED INSTITUTIONAL BIOMASS COOK STOVES AND OVENS FOR SMALL AND MEDIUM SCALE AGRO-PROCESSING INDUSTRIES IN GHANA (RENEWABLE ENERGY PROJECT)

BACKGROUND

Currently, Ghana have a large variety of traditional agriculture produce which are major contribution to food security and livelihood in rural areas, including Shea nuts, palm kernel, peanuts seeds and cassava are processed using thermal energy before these are consumed or traded. Traditionally, the vast majority of thermal agro-processing is done with firewood and quite recently an increase in the price of LPG has influenced this choice. Processing is mainly done in small-scale industries using insufficient traditional three-stove (tripod). This result in high production cost, unhealthy working environments and negative impacts on the environment, mainly in terms of deforestation. Gari Production, fish smoking and Pito Brewing are female dominated trade in Ghana.

ASSOCIATION OF GHANA INDUSTRIES (AGI)

PARTNER:

Ghana National Cleaner Production Centre (GNPCPC); Solarland Company Limited; Energy Foundation

LOCATION:

Gari processors, Pito Brewers and Fish Smokers Processing Areas in Ghana

Budget



\$250,000.00

Timeline



24 Months

OBJECTIVES

The main objective of this project is to promote the production and marketing of improved institutional Biomass Cook stoves for Gari production, Pito brewing, Shea butter processing and Fish Smoking using biomass in Ghana.

ACTIONS

- » To introduce and roll out the biomass technology; improved cook stoves will be installed for selected Gari and Pito processing groups with high level of subsidy.
- » Give support to more women who are in these selected areas and are in the processing business.
- » Four (4) types of Improved Institutional Cook stove namely BP, Chrissah, Soncleir and Sola Stove will be introduce to the target groups price ranging from USD\$400.00 to USD\$650.00 respectively.
- » The component will support 60 Improved Institutional Cook stoves for Gari and Pito brewing with a high level of subsidy (75%) to support the market entry and demonstration of the stoves in the selected regions.
- » Promote and encourage use of renewable energy and energy efficiency management and the Processors