CDM PROJECT FOR RURAL ELECTRIFICATION

As of: June 2021

The purpose of the project was to set up and operate small-scale plants for the gasification of biomass such as post-harvest residues of sorghum or cotton, which in the past have simply been burned. The facilities ought to generate power from biomass by the process of pyrolysis, with annual savings of around 5,000 to 7,500 tonnes of CO2. The charcoal produced during gasification could be used as fertiliser in the fields. The project should have been developed as a Clean Development Mechanism (CDM) Gold Standard project.

State of implementation/results

- Project completed
- While there were plans to set up and operate plants using sustainable biomass in two small towns, producing a total output of 1.5 - 2 MW, it was only possible to construct one pilot system producing 22kWel.; this alteration was due to insurmountable difficulties with the national electricity provider and energy administration, which did not give its approval for commercial operation to go ahead, despite the economic benefits of the planned bioenergy projects
- The pilot system ensures the smooth operation of services at the local hospital and provides a demonstration and reference system for possible additional projects in West Africa

PROJECT DATA

Country/Countries:
Burkina Faso

Implementing organisation:
atmosfair gGmbH

Political partner(s):
- City of Garango - Burkina Faso
- City of Pô - Burkina Faso
- Ministry of Mines, Quarries and Energy - Burkina Faso
- Permanent Secretariat of the National Council for the Environment and Sustainable Development (SP/CONEDD) - Burkina Faso

Implementing partner(s):
- Ankur Scientific Energy Technologies PVT. Ltd.
- National Electricity Company of Burkina Faso (SONABEL)

BMU grant:
€ 624,473.43

Duration:
11/2008 till 12/2010

Website(s):
http://www.atmosfair.de/de/biogas_und_biomasse/burkina-faso