GE Teobaldo Ceramic Project

GE Teobaldo Ceramic is a red ceramic company that is located in the Paudalho municipality, in the state of Pernambuco, the northeast region of Brazil. The ceramic industry produces bricks and flagstones mainly for the regional market in Pernambuco. Native wood from the Caatinga biome was used to fire the ceramic devices, which was the pioneering practice in the region. The wood was not from areas with reforestation or sustainable management activities, and thus this type of wood was considered a non-renewable biomass. This fuel switching project **will use renewable biomasses instead of native wood** to generate thermal energy and will reduce greenhouse gases (GHG) emissions.

Basic data

Country

Location Paudalho, Pernmbuco State, Brasil

Project type Change from fossil fuel to biomass fuel

Annual volume 5.503 VER per year

Project status Credits registered and issued

Verification Standard

VCS VERIFIED CARBON STANDARD
A Global Benchmark for Carbon

SOCIALCARBON®

Impacts

Environmental

- **Use of renewable biomass**: Algaroba wood, wood residues and native firewood coming from forest management plan.
- The entrepreneur is in possession of a DOF (Forest Origin Document) - document that helps the company to prove the renewability biomass **contributing for the environmental aspects**
- The **residues** such as broken or defective units are **reintegrated** in the clay mix or are used to fill the roads and the ceramic field.
- **Ashes** generated in the production process are **incorporated** into the clay for manufacture of the products, and used to seal the doors kiln.

Social

- **Food staples are offered** to employees as additional benefits to salary.
- Despite the fact that the work in the red ceramic industry is very heavy, two **women were hired** to work in the administration department.
- The GE Teobaldo Ceramic carries through sporadic and frequent **donations to institutions** in the region, as for example to the EMIP11, and offering sports equipments to the community.
- Some workers are receiving **technical courses**, mainly regarding ceramic and equipment courses
- **Improvement of working conditions**: use of mechanical burners for injecting the renewable biomass into the kilns (avoid contact with high temperatures), construction of sanitation facilities and drinking fountains, purchase of a motor cycle, to facilitate the bricks transportation.