

Project Overview:

Bagepalli Biogas Program

Situation of the rural population

Kolar district is one of India's underdeveloped regions. The region is semi-dry, 69 percent of the rain falls during the monsoon season. The forest has already been largely cleared, and only 17 percent of the area is covered by forest. For cooking, the families use scarce firewood to fire their traditional stoves. This also exposes them to heavy smoke that impairs both the respiratory system and the eyes. The continuing deforestation leads to women, traditionally responsible for collecting wood, having to cover increasingly greater distances which puts them in danger.

The local organisation ADATS, together with the Coolie Sangha Organisation, has built 18,000 biogas plants (2m³) for the families living in the countryside. These biogas plants are made from local material and are filled with agricultural waste products, usually cow dung. The resulting biogas is used in the households for cooking.

Benefits of the biogas plants

"Getting biogas at home was one of the best decisions I have made. Not only has it improved the quality of our life, but it has also helped me get closer to people and their needs."

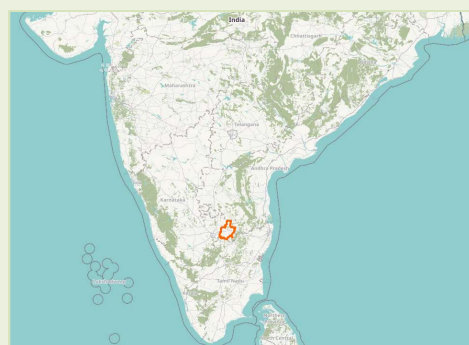
-Shantamma, Saddapalli village

The use of biogas plants improves the quality of life of the families in many ways. Especially women can benefit from the technology. They do not have to collect fire wood anymore and the families can save money as they do not have to use expensive kerosene anymore when there is not enough wood. Since cooking with biogas is three times more efficient, cooking becomes easier and time can be saved. For the whole family, the project reduces health problems: the soot particles produced during cooking on an open fire are significantly lower and also the cow dung is not disposed of on the street and is no longer dumped in the backyard.

As a by-product of the biogas plants, nutrient-rich fertiliser is produced, which improves the soil quality for agriculture. Additionally, the construction and maintenance of the plants creates new jobs.

Name:	Biogas CDM Project for the Rural Poor
Category:	Renewable Energy
Location:	Kolar District, Karnataka, India
Partner:	Bagepalli Coolie Sangha (BCS) und Agricultural Development and Training Society (ADATS)
Standard:	Gold Standard for the Global Goals and Fairtrade Carbon Standard
Savings:	291,980 t CO ₂ (in total)
Duration:	2006-2027
Status:	Certificates since 2014; since 2017 Fairtrade Carbon Standard

Contribution of the project to the 17 Sustainable Development Goals of the UN:



Link to our partner organization: <https://www.adats.com/cdm/> ©OpenStreetMap