

## Project Overview:

### Bagepalli Biogas Program

#### Situation of the rural population

Kolar district is one of India's underdeveloped regions. For cooking, the families use scarce firewood and expensive kerosene, rich in pollutants, to fire their traditional stoves. The region is 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.

25 years ago the Bagepalli Coolie Sangha (BCS) organisation was founded in the villages. It consists of poor smallholders and farming families. 38,615 families from 915 villages, form so-called Coolie Sangha units that work for the protection, identity and support of the members.

The local organisation ADATS, together with the Coolie Sangha Organisation, is building 5,500 biogas plants (2m<sup>3</sup>) 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

The use of biogas plants reduces health problems for the families: On the one hand, the soot particles produced during cooking on an open fire are significantly reduced; on the other hand, the cow dung is not disposed of on the street and is no longer dumped in the backyard.

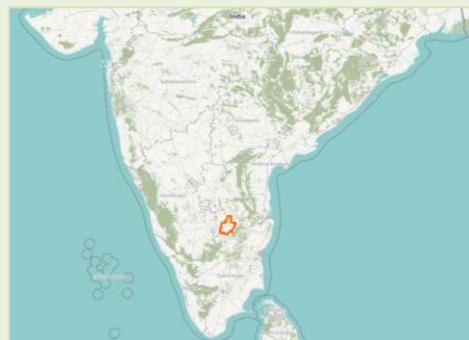
Women don't have to collect firewood anymore. Since cooking with biogas is three times more efficient, cooking becomes easier and time can be saved. Additionally, families can save money because they don't need to buy expensive kerosene. As a by-product of the biogas plants, nutrient-rich fertiliser is produced, which improves the soil quality for agriculture. Additionally, the construction and maintenance of the plants creates new jobs.

Replacing wood and kerosene with renewable energy reduces CO<sub>2</sub> emissions and further deforestation is avoided.



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:	CER and Fairtrade Carbon Standard
Savings:	317.079 t CO <sub>2</sub> (in total)
Duration:	2006-2020
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