

Biogas Plants for over 8000 Families in India

ceramitec 2026

myclimate

Biogas plants for 8033 families

The construction of biogas plants in India replaces fuels such as kerosene and firewood as well as the use of chemical fertilizers. Besides reduced greenhouse gas emissions and less deforestation, the population benefits from higher agricultural yields and less smoke and soot in their homes.

Karnataka / India	Biogas	Avoidance	Awards	Project standard	Project partner
			Ashden	Gold Standard CER	SKG Sangha

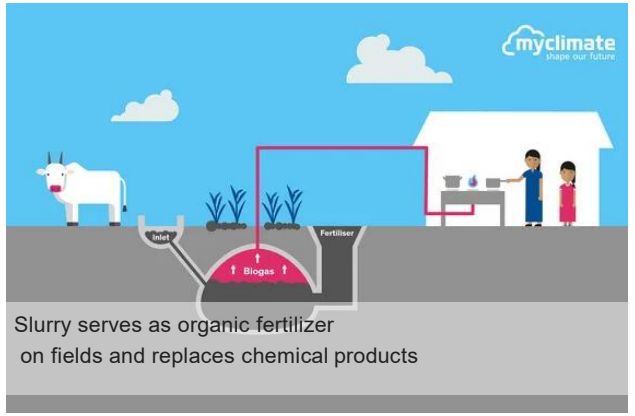
Sustainable Development Goals (SDGs)

From waste to clean energy

- **How it works:** Animal manure and kitchen wastewater are fermented in biogas plants. The biogas is used for cooking, and the remaining bio-fertilizer replaces chemical fertilizers.
- **Climate protection:** Around 45.650 tonnes of CO_2 emissions per year are avoided across the overall project by replacing fossil fuels. At the same time, firewood consumption and thus deforestation decrease.
- **Health & social impact:** Improved air quality thanks to less smoke in homes and less time-consuming firewood collection relieve women and children in particular and create more time for education.
- **Ecosystem:** The organic fertilizer improves soil quality and thereby enables higher agricultural yields.
- **Use of funds:** The CO_2 funds finance the construction of the biogas plants with a 73 % cost subsidy, as well as their maintenance, repairs and the support of the families.



Plants are managed by women. They cook with biogas & maintain the plant



Slurry serves as organic fertilizer on fields and replaces chemical products



Biogas flows directly from the digester via a pipe (marked blue here) into the kitchen



Methane can later only escape through the pipe to the kitchen; the dome is covered with soil

[Learn more about the project →]

SDGs – Sustainable Development Goals

The following SDGs have been verified by Gold Standard for this project*



Thanks to **the use of self-produced organic fertilizer (slurry)** smallholder farmers can avoid dependence on chemical fertilizers, thereby improving their family's **financial situation**.



So far, **the biogas plants have produced 387.168 tonnes of bio-fertilizer** and thus reduced chemical fertilizer use by 7.752 tonnes, contributing to **sustainable agriculture**.



50.000 people benefit since the start of the project from **better air quality**.



Because time-consuming firewood collection is no longer necessary, **children have more time to attend school** and do homework. **Almost 1,6 hours per day** can thus be used additionally per family.



Only women are authorised to buy and own a biogas plant. This helps to balance power relations within the family and strengthen the position of women.



Over 8.033 biogas plants have been **installed since the start of the project.**



Through the project, **22 permanent jobs** were created for the local population and **over 8.000 people** were **trained in handling biogas plants**.



The **utilization of organic waste** contributes to sustainable waste management.



Each biogas plant avoids 5,9 t of CO_2 and 3,7 t of wood per year.



The programme has saved 279.799 tonnes of wood so far.

*As of end of 2025. Find out in our FAQ how myclimate reports these SDGs.

Urkunde
Confirmation

Klimaschutz
Climate protection

myclimate

The climate protection organisation myclimate confirms:

Messe München GmbH

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has voluntarily made a valuable contribution to financing high-quality myclimate climate protection projects in the amount of the following CO_2 emissions:

Amount CO_2e:

17.81 t

Climate protection project:

Biogas plants for over 8000 families in India

Reutlingen, 3 June 2026

Harald Rettich
Managing Director myclimate Germany

Certificate number: 20263674

myclimate Germany is a non-profit, tax-exempt limited company under German law that is committed to climate protection. HRB number: 731956.

CO_2e = CO_2 equivalent: The CO_2 equivalent indicates how much a given amount of a greenhouse gas, e.g. CO_2, methane or nitrous oxide, contributes to the greenhouse effect. The unit of comparison is CO_2