



Efficient cookstoves significantly reduce CO<sub>2</sub> emissions in the Indian district of Visakhapatam. This saves a huge amount of CO<sub>2</sub> per year and additionally creates jobs through local production.

## Local situation:

In rural areas in India it is still very common to use open fires and rudimentary cook stoves for cooking. These stoves usually emit harmful smoke and are operated inefficiently. They use more fossil fuel (e.g. wood or charcoal) and contribute to deforestation in heavily populated areas which makes it more difficult to gather fossil fuels needed for cooking. Frequently, families are therefore forced to buy wood or wood charcoal in order to survive. Besides the emission of harmful smoke, the cook stoves also emit fine particulates that result in a high risk of death through respiratory diseases, affecting predominantly women. Mostly, they are the ones responsible for gathering fossil fuel as well as cooking.

## Mitigation Technology:

This project offers a clean, safe and cost-effective environment-friendly cookstove option for Indian families by distributing about 3,750 cookstoves. Each of them requires only half the amount of wood and charcoal, compared to an open fireplace and due to the good insulation it also reduces the effect of heat loss.

## Sustainable Development:

In addition to the positive impact on the climate it also preserves the local tree population and thus the forest as an important habitat for animals and plants. The health of the local population, especially of women and children, furthermore benefits from a significant reduction in toxic emissions using cook stoves compared to open fireplaces and thereby reduces the risk of developing respiratory diseases. Using less fuel moreover results in significant savings at the household level of the Indian families. Time and money previously invested in gathering fossil fuel can now be spent on food or education. The local production, service and maintenance of the cook stoves additionally creates qualified jobs especially for women, thus fostering the sustainable economic development in an otherwise structurally weak rural region.

## Portfolio

Energy efficiency

## Project standard

**Gold Standard**

Climate Security & Sustainable Development

## Carbon mitigation

4,741 t CO<sub>2</sub>e p.a.

## Project status

VER, certified (GS 997)

## Location

District Visakhapatam, Andhra Pradesh, India

## Project verification

TÜV Rheinland

## Project partner



## Sustainable Development Goals

