



## DEMONSTRATION PROJECT IN INDIA FOR CONVERTING A PRODUCTION FACILITY TO THE MANUFACTURE OF CLIMATE-FRIENDLY AIR-CONDITIONING EQUIPMENT

As of: November 2021

The project has converted the production of air-conditioning systems by an Indian manufacturer from HCFCs to natural climate-friendly refrigerants (hydrocarbons), thereby establishing a best-practice model. The manufacture of energy-efficient models was a further aim. The project included training for production and service technicians to foster skills in the safe handling of flammable refrigerants and maintenance of the equipment. An action plan was developed to promote the market launch of energy-efficient, F-gas-free air-conditioning equipment (development of financial instruments and market-based incentives).

### State of implementation/results

- Project completed
- Dialogue with the association of air-conditioning system manufacturers
- Checks carried out to ensure conversion from air-conditioning systems using fluorinated gases to systems using propane
- New production facility for the manufacture of climate-friendly air-conditioning systems using hydrocarbons supplied and installed for the Godrej company; facility converted and new production system commissioned; more than 3,000 air-conditioning units using the new technology produced by April 2012
- Production and service technicians trained in the safe handling of flammable refrigerants and maintenance of equipment; training materials distributed among staff
- Gradual increase in the efficiency of the air conditioning systems produced (new compressors and heat exchangers installed)

## PROJECT DATA

### Country/Countries:

Indien

### Implementing organisation:

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

### Political partner(s):

- Ministry of Environment, Forest and Climate Change (MoEFCC) - India
- National Ozone Centre - India

### Implementing partner(s):

- Godrej Industries Limited - India
- Ministry of Environment, Forest and Climate Change (MoEFCC) - India

### BMU grant:

€ 2,174,597.27

### Duration:

11/2008 till 04/2014

