

## Project Summary

### Projekt Background

In Pakistan 80 million people are living without electricity, most of them in rural areas. In the cities power cuts and wastage are common.

There are now plans to cover Pakistan's energy needs, which are growing at an annual rate of around 12%, through renewable energies and improved energy efficiency. On behalf of the Federal Ministry for Economic Cooperation and Development (BMZ), GTZ is advising the public energy authorities, private enterprises and industrial associations on the promotion of hydro, solar and wind power plants as well as on the improvement of energy efficiency in households and industry.

### Project Objectives

The overall objective of the project is to improve and enhance the capacities of the private sector as well as of state authorities with regard to the promotion of renewable energies and the improvement of energy efficiency.

### Project Activities

Expert contributions and policy advice regarding:

- Application and market development of solar thermal systems, in particular solar water heaters, for domestic applications;
- Improvement of energy efficiency of gas boilers and heaters;
- Training and certification of energy managers;
- Development and implementation of energy management systems in the textile industry;
- Development and implementation of economic instruments and financial incentives for emerging markets for renewable energies and energy efficiency;
- Development and implementation of energy efficiency standards and labels for electrical and gas-fueled household devices;
- Rural electrification based upon solar PV systems;
- Initiation of CDM projects.

### Implementation Features

Technical assistance and policy advice is provided by short-term senior experts in the framework of the multi-annual GTZ REEE programme upon the request of AEDB and other local implementation organisations such as e.g. the Energy Efficiency Council ENERCON, the Small and Medium Enterprise Development Association SMEDA, the Textile Manufacturers Association APTMA, the Poverty Alleviation Fund PPAF and in closed coordination with other donors such as e.g. ADB, USAID, and the Aga Khan Foundation.

Effectiveness and sustainability of performed activities is improved by means of a series of integrated Public Private Partnership PPP projects.

## Services Provided

- Strengthening of emerging markets for RE and EE including design and implementation of supporting mechanisms and financial incentive schemes
- Development and implementation of demonstration projects
- Capacity development in the private and public sector
- Support of impact monitoring
- Coordination with other donors
- Project management, backstopping and administration

## Pakistan

### Renewable Energy and Energy Efficiency (REEE) Programme, Phase II

#### Client

German Agency for Technical Cooperation (GTZ)

#### Duration

09/2009 - 08/2011

#### Personnel

- 1 international LTE (12 PM, Coordinator)
- 21 PM pool of international STE
- 40 PM pool of national STE

