

Project Summary

Projekt Background

Pakistan is a net importer of energy, spending \$3 billion a year, equivalent to about 30 % of total imports, to import oil to meet its energy needs. Most of this energy is for electricity generation. Over 70 % of Pakistan's electricity comes from thermal sources, approx. 30 % from large hydro, and less than 1 % from renewable and other sources. Even with all this imported energy, Pakistan currently faces a 20 % power shortage. To address the energy shortage and as part of its decentralization policy, GOP has decided to put greater emphasis on RE and EE.

Project Objectives

The overall goal of the project was to improve the technical and management capacities of the management and employees of private and public institutions for the promotion of renewable energy (RE) in the scope of rural electrification and for the realisation of energy efficiency (EE) measures in small and middle industries. The concrete goals of the project were (for RE and EE respectively)

- RE: The Government of Pakistan (GoP) has decided on a target (no. of households/villages) for the supply of areas isolated from the grid with RE and a strategy for the implementation of this target is developed; an organisation for coordinating the strategy is established between industry, other public bodies and the provincial authorities) and meets a minimum of twice yearly; the implementation of the strategy for the employment of RE takes place in the planning phase in a minimum of two locations; suitable stakeholders for delivery, service, training and financing (firms, NGOs, financing organisations) are identified.
- EE: Two potential studies for the energy saving potential and inclusion of efficiency increasing measures are implemented in two selected industry sectors; a strategy for the promotion of EE from the GoP; an organisation for coordinating the strategy is established between industry, banks and public bodies (e.g. industry and environment ministry); minimum three companies in the above mentioned branches request advisory services for increasing EE.

Project Activities

The tasks of the project lay in the institutional strengthening of the partners. Project activities were clustered under two components:

- In the RE component, this included further education measures in areas such as financing, cost effectiveness, rural development, socio-cultural aspects and consideration of international experience.
- In the EE component, elements included international dissemination of recommendable and successful economic models, practical knowledge of material flow and operational analyses, as well as experience exchange with projects and companies on the international level.

Services Provided

- Analyses of EE potentials in different industrial sectors
- Consultancy Services for GOP to develop RE & EE strategies
- Seminars for decision makers from the political sphere, banking and service sectors as well as for companies
- Pilot projects generate an experience background for strategy development
- Development of Information portals which serve to disseminate knowledge as well as quality assurance measures for renewable energy technologies and EE measures

Pakistan

Renewable Energy and Energy Efficiency Program

Client

German Agency for Technical Cooperation (GTZ)

Duration

11/2005 - 10/2008

Personnel

- 45 PM pool of internat. STE (energy efficiency and renewable energy experts)
- 35 PM pool of national STE

