

Project Summary

Projekt Background

In 2006 the governments of India and Germany have institutionalised an "Indo-German Forum on Energy" to strengthen and expand bilateral cooperation on energy security, energy efficiency (EE) including energy conservation, renewable energy, investment in energy projects and collaborative research and development in identified areas, taking into account the environmental challenges of sustainable development. In this regard an expert team should create a common knowledge base on energy efficiency in buildings in both countries and identify the fields of cooperation in the mutual interest.

Project Objectives

Fields of cooperation to the issue of Energy Efficiency in buildings that are of mutual interest were identified.

Project Activities

The task of the expert team was to get a consistent picture of the national building stock, its current energy consumption and type of fuel used, its modernization needs and expected modernization cycles. To assess legal opportunities and barriers of EE in buildings, the expert team developed a clear understanding of the legal framework for EE in buildings and installed measures for enforcement as well as financial and tax incentives. The building energy performance certificate was also described. The expert team evaluated currently available technology and products to foster EE in buildings and provided a list of recommended technologies. To show its practical implementation, a set of best practice projects was documented in a standardized way.

In addition, the institutional environment for EE in buildings was described by providing an overview of capacity building institutions, both public and private, as well as companies for training and assessing EE in buildings.

Based on the findings and evaluations, the expert team drew conclusions and developed recommendations on how to enhance the exchange about as well as the implementation of energy efficiency measures in buildings between Germany and India.

The expert team from the German side included three academic experts from German universities and was coordinated by INTEGRATION who also took over all administrative and coordinating tasks for the expert team in close contact with GTZ.

Implementation Features

The team met twice in Germany and twice in India with the Indian counterpart (lead was taken by BEE). As part of the meetings, study tours to companies manufacturing energy saving components and site visits to energy efficient buildings were undertaken.

Services Provided

- Study on EE in buildings in India and Germany
- Elaboration and presentation of recommendations and findings
- Organisation and implementation of study tours to India
- Administration and co-ordination of German experts contribution

India

Energy Efficiency in Buildings

Client

German Agency for Technical Cooperation (GTZ)

Duration

09/2007 - 05/2008

Personnel

- 3 internat. STE

